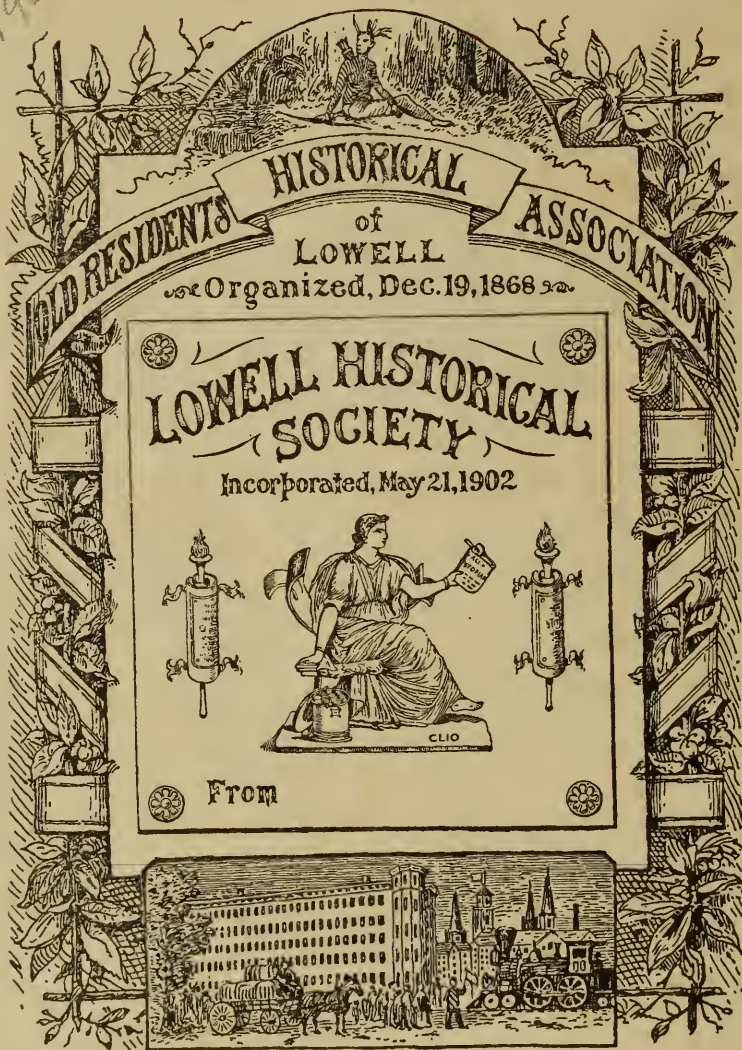
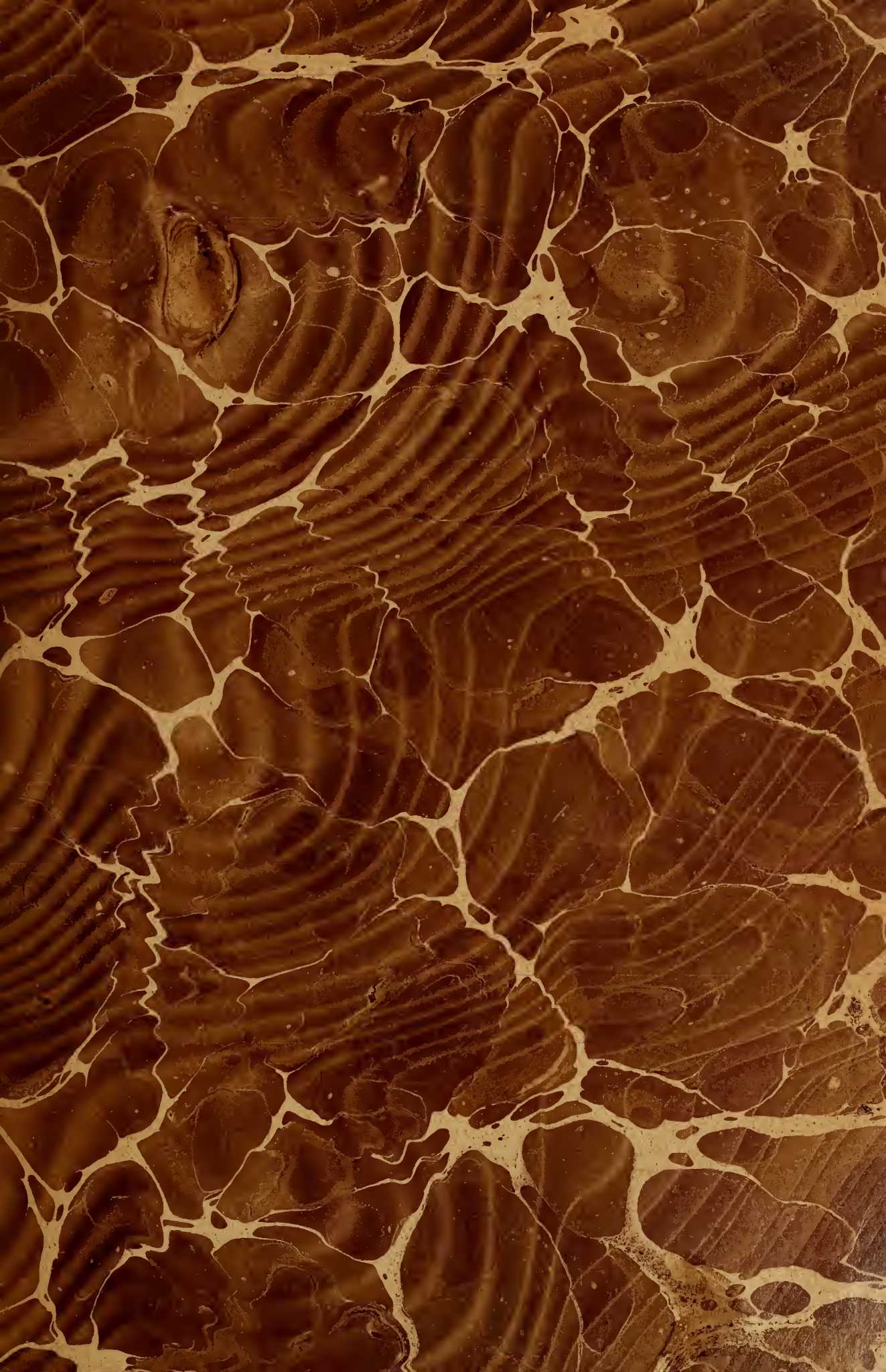



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CITY DOCUMENTS

—OF THE—

CITY OF LOWELL

MASSACHUSETTS

—FOR THE—

YEAR 1907-1908



LOWELL, MASS.
COURIER-CITIZEN COMPANY, PRINTERS
1908.

EXTRACT FROM THE ORDINANCES OF LOWELL.

CHAPTER VIII.—CITY DOCUMENTS.

SECTION 5. All City Documents (except the Rules and Regulations for the Government of the Police and Fire Departments) shall be printed in pamphlet form of the size of the Annual Report of the School Committee.

SECTION 6. All City Documents shall be bound together in one volume, under the direction of the City Clerk, and three or more copies shall be placed in the City Library, and one copy in the library of the Middlesex Mechanics' Association, one copy shall be sent to each City of the Commonwealth, to the library of the Harvard College, the Public Library of Boston, the State Library, the Smithsonian Institute at Washington, and the Old Residents' Historical Association of Lowell.

CONTENTS.

1. Inaugural Address of His Honor, Frederick W. Farnham, Mayor, to the City Council, January, 1908.
2. Municipal Register, containing Rules and Orders of the City Council, and a list of the Government and Officers of the City of Lowell for 1908.
3. Eighty-second Annual Report of the School Committee of Lowell, together with Forty-fourth Annual Report of the Superintendent of Schools, 1907.
4. Auditor's Seventy-second Annual Report of the Receipts and Expenditures of the City of Lowell, together with the Treasurer's Account, and the Account of the Commissioners of Sinking Fund, for the financial year ending December 31, 1907.
5. Thirty-fifth Annual Report of the Lowell Water Board, and Reports of the Superintendent of Water Works and the City Engineer to the Water Board for 1907.
6. Report of the Committee on Appropriations, 1908.
7. Second Annual Report of The Board of Charities, for 1907.
8. Reports of the Births, Marriages and Deaths, 1907.
9. Report of the Board of Health, 1907.

10. Report of Superintendent of Streets, 1907.
11. Report of the Chief Engineer of the Fire Department, 1907.
12. Report of the Superintendent of Street Lights, 1907.
13. Park Commissioners, Fifth Annual Report, December 31, 1907.
14. Report of the Trustees of the City Library for 1907.
15. Report of the City Solicitor for the year ending 1907-08.
16. List of Jurors for the year 1908.
17. Report of Sealer of Weights and Measures for year 1908.
18. Report of City Physician for year 1907.

ADDRESS

OF

HON. FREDERICK W. FARNHAM

MAYOR OF LOWELL.



January Sixth,
Nineteen Hundred and Eight.

LOWELL. MASS.
UNION PRINTING COMPANY,
1908

ADDRESS
OF
HON. FREDERICK W. FARNHAM,
MAYOR.
TO THE CITY COUNCIL,

JANUARY 7, 1908.

GENTLEMEN OF THE CITY COUNCIL:

This hour witnesses the coming of a new government. Mayor, aldermen and councilmen here and now have sworn fealty to the city which has named them for her guardians. Henceforth with hopeful hearts and careful hands we will seek and endeavor to keep for her the path of progress and prosperity, of honor and integrity, of welfare and happiness.

It is proper for us at this time to acknowledge gratefully the confidence which has been placed in us. I thank the citizens of Lowell for the honor of my re-election. I assure them that the only interests I have to further are their interests. The only pledge I am under to any man or any measure is my oath of office to exercise the authority vested in me for the interest and advantage of all the people.

I wish you a happy and successful new year this morning, gentlemen. I do so with faith in

you and faith in the future of our city. I feel that with good faith and with good courage we shall grapple with the questions that come to us, and, to the best of our ability and with the help of Divine Providence, perform our work so as to make it acceptable to those who have trusted us.

We are representatives of a hopeful people. We are setting out to govern a city which is proud, pushing and progressive; yes, and, in a sense, poor. Not poor in the intelligence and virtue of her people; not poor in the glory of her history or the capacity of her citizens to strive and succeed; not poor in her natural advantages and the brains to develop them; but poor at the present time in the ability to raise without excessive taxation sufficient money to cover a yearly outlay which modern opinion demands as only reasonable. This situation is one which will call for our best efforts and most studious attention. It is the ever dominant issue in city government,—to satisfy the demands of a progressive community without exorbitant taxation or without incurring further debt.

The people of Lowell will expect a continuance of the modern advantages to which they are accustomed. They want the best schools, good streets and sidewalks, adequate fire protection, a police force sufficiently strong to insure public order and public morals, well-lighted streets, well-kept parks, the enforcement of suitable health regulations, the proper care of the poor and unfortunate, pure water, clean and well-kept public buildings, efficient sewerage, and proper and high-class service in all municipal

departments. To provide these benefits economically and judiciously is our task for the coming year.

I welcome with enthusiasm and sincerity the growing interest in municipal affairs and municipal government among all classes. This general movement throughout the country for clean men and clean government, if kept up, will bring our public business as nearly as possible to a business basis, eradicate graft and relegate grafters to obscurity. A public conscience thoroughly awakened must lead to the election of office holders, both high and low, imbued with a high sense of civic responsibility, in whose hands the public interests are safe and from whose actions the community will benefit. I say frankly to our people: Watch your public servants closely and you will receive good service. Interest yourselves in your city government and your city government will repay your interest many fold in the form of careful expenditures and lower taxes. For myself I am glad to be under the stimulus of constant oversight and I will add, fair criticism. A critical public must be as fair to its public servants as it expects those servants to be fair to it.

STREETS.

I am glad to note that in accordance with my recommendation of a year ago a good start has been made towards the improvement of our main business streets, and I hope and strongly recommend that the same good work may be continued in the year to come. The paving of a portion of Central street

with granite blocks upon a cement foundation and with a cement covering was an experiment the results of which have met with general approval. By spring time we should be able to judge the merits of this paving thoroughly, and, if it stands the test, we should extend it from year to year upon the heavily traveled thoroughfares to such a limit as the city can afford.

John street and Paige street have been paved with the so-called Hassam smooth paving, a mixture of cement and crushed stone, which has been tried extensively in other cities and found to be satisfactory. The city has purchased a steam roller, mixing machine, and other tools for preparing this pavement and is now fully equipped to lay a modern smooth, clean and sanitary paving at a moderate cost. This paving answers well for the side streets in the business section.

There is great need of a new, stronger and wider bridge across the canal in East Merrimack street. This bridge is under the control of the Locks & Canals Company. Unsuccessful negotiations were carried on this year towards an agreement with this company for the erection of a new bridge and the surrender of its control to the city upon the payment to the city of a sum of money by the Locks & Canals. This year should see a satisfactory agreement made and the new bridge built.

The stone from the new Dracut Poor Farm Ledge has been found to make a fair material for ordinary macadamizing and the \$25,000. appropriated

for macadamizing several streets has been well invested. More of this work should follow.

The collection of ashes and refuse for dumps practically is street cleaning, for custom compels house-holders to place their receptacles containing ashes and refuse on the sidewalk to be emptied. The collection carts under the present system are not expected to clean up behind them and, if a barrel of ashes is tipped over before the cart arrives or is partly spilled in loading, the mess remains for the abutter or street department to care for. Frequently after a street has been freshly cleaned, swept or scraped by the street department, litter left during the next day or two after the collection of ashes nullifies to a great extent the previous work. I recommend that the work of collecting ashes and refuse for dumps be transferred to the street department.

Good streets commend themselves both to the citizen and stranger and give a city a good name. Good streets mean a good temper for those who use them and a saving in both animals and vehicles. Clean streets are a necessity not only for the comfort but also for the health of the public.

SCHOOLS.

The public schools have well been called the bulwarks of the nation's liberties. Without education government by the people cannot endure. Knowledge is the power that governs, and without knowledge on the part of the people, their government loses respect and dies. Education of the youth

trains the mind, moulds the character and instils habits calculated to serve them in the sterner duties of manhood and womanhood.

Liberal appropriations for school purposes have always met with public approval, but such appropriations constantly grow larger and the enormous amount now required for the maintenance of the schools has become a matter for serious attention. But where and how to economize? The superintendent of schools declared last March in an open letter that no appreciable reduction could be made in the school expenses save by either reducing the number of teachers, janitors and other employes, or by reducing the salaries. The same situation exists in the police department and the fire department where the bulk of the appropriations go for salaries and services.

Two years ago the Greenhalge school was opened and within a year a new ten-room school in the Highlands district is to be built. With these additional accommodations it seems to me that the school facilities should be sufficient for many years to come, especially as the class of population that is now filling up the city includes very few children. After the new Highlands school is opened, the school expenses which will have been determined by that time ought to remain constant for a considerable period.

The total enrolment for the last school year in the day schools was 13,423, the average belonging 11,371 and the average attendance 10,424. The evening schools enrolment was 3,792. The number

of seats in the different school houses is 11,415. With the addition of 490 seats in the new Highlands school there will be 11,905 seats for an average belonging of a little over 11,371 and an average attendance of a little over 10,424. Considering the small area of the city and the difficulty of raising money, it would seem that the time had come for the children to seek the school houses and not the school houses the children. Every neighborhood cannot expect to have a school house.

Last year the City Council passed an order requesting legislation from the General Court limiting the total expenditures of the Lowell school board in any one year to \$4.75 per thousand of the total city valuation of the preceding year. This would have allowed an expenditure for the past year of \$353,047.43 as against the actual expenditure of \$384,333.99.

SEWERS.

Outside the natural and moderate demand for sewers in other sections it is evident that the bulk of sewer work must be directed to the expansion of the sewer system of the Tewksbury Annex and the Oaklands district. Plans for a comprehensive and practical drainage of the Tewksbury Annex are under construction and work will soon be commenced.

At the present time the Oaklands district is drained and sewered by permanent sewers which debouch upon land owned by the city, lying on the

southerly side of Rogers street opposite Wentworth avenue. This outlet is only temporary and while under certain conditions it might answer for some years to come, the advent of the Warren Company, which has purchased and now occupies the so-called Atherton Plant, brings many families who will occupy the houses now built and many new ones to be built in the vicinity of the "Red Village," which, of course, must be provided with proper sewerage.

Already a trunk sewer has been built from the Merrimack river to Andover street of a sufficient size and depth to accommodate the entire country embraced in the Oaklands and Warrentown. A trunk sewer can be built from Andover street through the low-lying country to the east of the Butman road to Rogers street, there picking up the entire present Oaklands system and any additional system that may be constructed. Should the city decide to build this trunk sewer which necessarily must pass through private land, I suggest the acquirement of a strip of land wide enough to make, over the sewer, a broad avenue or boulevard connecting Andover and Rogers streets. Such a new avenue would help the development of the country lying between Andover street, the Clark road, Rogers street and the Butman road where the farms are soon to be cut up into house lots, much of the land already having been sold for that purpose.

The contour of the country described is such that the sewer in Andover street from the Butman road to the Clark road can drain only a limited area, and the sewer in the Clark road has been built as

far as practicable. Before the area included between the Clark road, Rogers street, the Butman road and Andover street can be developed, a trunk sewer from Rogers street to Andover street appears to be a necessity. The attention of the present city government is called to this problem which the sewerage of our new Warrenville presents.

HUNTINGTON HALL.

Now that the City Solicitor has decided that the city has no practical rights in the old site of Huntington Hall, thus in my opinion making that location out of the question for a new hall, it is incumbent upon the Huntington Hall Commission to set about immediately to secure an available site and promote the building of a new public hall according to the popular vote taken over two years ago. As a member, *ex-officio*, of the Huntington Hall Commission, and as chairman, it will be my object to secure as speedily as possible the erection of a new Huntington Hall.

PUBLIC SANITARY.

I renew my recommendation for the establishment of a suitable public sanitary near Merrimack square. The city can well afford to grant such an accommodation at this central locality for the convenience of the general public and the thousands of travelers both from within and without the city who make this point a place of transfer. Such stations when established elsewhere have met with immediate appreciation and should be fixtures in a progressive city.

BOARD OF CHARITIES.

The care and assistance of the poor has now for two years been under the direction of the new Board of Charities. This system may be said to have had a fair trial and no doubt remains that there has been an improvement over preceding managements. Former public criticism has disappeared and public confidence in the ability of a Board of Charities to handle the pauper department wisely and economically is predominant. The expenses of this department for the preceding year were \$14,911.49 less than for the year 1906. By direction of the Board the Superintendent has taken up his residence at the farm. A great improvement has been made in farming methods. A silo has been erected and a herd of cows added. The buildings have received needed repairs. This department appears to be upon a satisfactory and business basis.

PUBLIC BURIAL GROUNDS.

In accordance with my recommendation this department has by legislative act been placed under the control of five trustees not including the Mayor. The newly appointed board have taken up their duties with zeal and good judgment and have instituted business methods which appear to be acceptable to the public and which will result in making this department practically self-supporting.

CITY CHARTER COMMISSION.

The present scattered and disconnected statutes relating to the City of Lowell which have to be observed and consulted as the city charter comprise

an exasperating makeshift for a plain, strong, "understandable" and practical charter. It would be a long step towards better government and a relief to all connected with the government if the authority and powers of the city officers and the city council could be definitely settled and the rights and limitations of the different departments accurately stated.

I could make several suggestions and recommend innovations which from experience appear to me would be desirable changes in the present mode of government, but I feel that such suggestions and recommendations would come from and carry the weight of one mind only, and I am positive that matters of this kind can be handled better by a body of high-class men outside of city hall whose opinions and views would be those of students and observers unconnected or unidentified with any city department or city policy. It is true that suggestions of experienced city officials would be valuable guides. Such a commission should be charged with the drafting of a comprehensive, modern city charter and ordinances. The following subjects with others should be considered :

The power of the mayor to suspend any city officer and appoint a substitute pending a hearing on removal.

The power of removal by the mayor without the consent of the city council.

The power of appointment by the mayor without confirmation by the aldermen or city council.

A single chamber of the city council.

The power of the city council to subdivide appropriations.

The power of heads of departments to establish wages without check or approval.

A board of public works.

The method of assessing taxes.

The awarding of contracts and the purchase of supplies and their inspection.

A limit to the expenditures by the School Committee.

A single commissioner for the water department.

A single commissioner for the Board of Health.

The union of departments which properly could be brought together under a single head.

The methods of auditing and book-keeping.

The retirement by pension of aged policemen and firemen and the substitution of young and active men.

I recommend that a commission of five or seven citizens be appointed by the Mayor or elected by the City Council to act as a City Charter Commission and to consider and report on the matters referred to above.

FIRE DEPARTMENT.

This department whose active force was augmented in 1906 by the addition of ten permanent men will have its efficiency still further increased by the accession of a new first-class fire engine and the establishment of a new fire station in Centralville. With these additional resources, which were

voted by the government of 1907, the fire department will maintain its standard of zealous and able protection to the lives and property of our citizens.

WEIGHTS AND MEASURES.

It is time that without further delay the city government should give its attention to the enactment of an ordinance relating to the sealing of weights and measures and ensuring such attention to the duties of sealer as will lead to the enforcement of salutary laws and the approval of the state authorities. Such action by the city council is peremptory and compulsory if the city is to retain its credit and reputation. Notwithstanding the renewal and addition of much costly apparatus and the zealous work of the present sealer, whose salary is only \$350 a year and who cannot be expected to give the requisite time which the importance of his duties requires, the present conditions are very unsatisfactory. On December 2d last the State Commissioner of Weights and Measures wrote to me as follows: "The present conditions in regard to the Weights and Measures Department of your city should receive immediate attention as my inspections show that there is a great necessity for same. There appears to be practically no protection afforded at the present time to the purchasing public against the giving of false weight and measure. Recent cases of conviction in your local Police Court brought by this department show that the giving of insufficient weight and measure is frequently practiced throughout your city. Your attention is also called

to the fact that there has been no re-weighings of coal made as required by law, with the result that complaints have been received at this office from citizens of your city stating that they have been given short weight on coal purchased. The above reasons make it necessary that some immediate action should be taken towards bettering conditions in Lowell, and unless such action is taken, it will be necessary for this department to step in and make wholesale prosecutions which would be a direct reflection on the efficiency of the local department."

I recommend that the salary of the Sealer be made large enough so that he can devote his whole time to the duties of the office; also that the General Court be petitioned for the passage of an act making his term of office three years. I recommend that at the same time legislation be petitioned for making the term of office of the Inspector of Milk three years. This office requires from its holder considerable skill in chemistry and should not be allowed to face the danger of becoming a yearly political foot ball.

THE BOARD OF POLICE.

Public dissatisfaction with the conduct of the liquor business on Sundays and with the enforcement of the laws relating to it culminated last fall in the preferring of charges against two of the members of the Board of Police, a public hearing upon the charges and the removal of the two members from office.

The liquor laws were made for the protection of the public. At the same time liquor dealers have their legal rights and are entitled to the protection which the law gives to a licensed business. I believe in a proper and impartial enforcement of the liquor law and I have given the City of Lowell a Board of Police who agree with me and who are pledged to a rigid performance of their duties. Time alone will reveal their ability and courage to cope with a situation which has become distasteful to order-loving citizens; but it is to be noted that since the removal of a majority of the old Board of Police, a decided improvement in the former situation has been made.

As I took upon myself the disagreeable duty of removing from office two men as provedly responsible for bad conditions, I feel my responsibility to the people, through my appointments, for the betterment of such conditions; and I wish to say that I will not tolerate any double dealing or bad faith upon this issue. I have taken a stand for better conditions and there shall be no retreat. There shall be no politics, no discrimination, no selfish interests and no graft in the enforcement of the liquor laws and the granting of liquor licenses if I can help it.

CITY DEBT.

Ordinary City Debt, Jan. 1, 1907	.	.	.	\$2,371,931.20
Borrowed during the year 1907	.	.	.	365,500.00
Total	.	.	.	2,737,431.20
Paid during the year 1907	.	.	.	272,582.90
Total Ordinary City Debt, Dec. 31, 1907	,			\$2,464,848.30

Water Debt Jan. 1, 1907	\$1,156,100.00	
Paid during the year 1907	19,300.00	
Total Water Debt, Dec. 31, 1907		\$1,136,800.00
Total City Debt, Dec. 31, 1907		3,601,648.30
Ordinary City Debt, Dec. 31, 1907	2,464,848.30	
Sinking Funds for payment of same	317,715.86	
Net Ordinary City Debt, Dec. 31, 1907		2,147,132.44
Water Debt, Dec. 31, 1907	1,136,800.00	
Sinking Funds for payment of same	510,678.93	
Net Water Debt, Dec. 31, 1907		626,121.07
Total Net Debt, Dec. 31, 1907		2,773,253.51
Total Net Debt, Dec. 31, 1906		2,763,105.53
Increase in City Debt during 1907		10,147.98

LIMIT OF INDEBTEDNESS.

Total City Debt, Dec. 31, 1907		\$3,601,648.30
Deduct Water Loans	\$1,136,800.00	
Deduct Exemptions by Legislature	800,000.00	1,936,800.00
City Debt as it relates to limit of indebtedness		1,664,848.30
Limit of Municipal Debt for 1908, 2½ per cent of \$73,508,955.00. (average valuation for last three years)		1,837,723.88
City Debt which relates to limit Dec. 31, 1907		1,664,848.30
Distance from Limit Dec. 31, 1907		172,875.58
Distance from Limit Dec. 31, 1906		235,730.50
Decrease of Distance from Limit		62,854.92
Total City Valuation 1907	75,454,738.21	
Total City Valuation 1906	74,325,775.00	
Increase in Valuation	1,128,963.21	
Full Value of all Sinking Funds Jan. 1, 1908		828,394.79
Full Value of all Sinking Funds Jan. 1, 1907		764,925.67
Increase during 1907		\$ 63,469.12

In the year 1907 the city debt increased \$10,147.98. The distance from the debt limit is \$172,875.58, a decrease of \$62,854.92. The city valuation increased \$1,128,963.21. The tax-rate was

\$19.40, a reduction of twenty cents a thousand, a creditable showing considering the fact that the government had to assume a general treasury fund deficiency of \$46,000. from the preceding year. A gradual yearly decrease in the tax-rate appears possible provided care is used in appropriations and economy in expenditures.

The reason for the increase in the city debt was the votes to borrow in December the sums of \$75,000. for the new Highlands School and \$36,000. for the new fire house in Centralville, loans which might well have gone over to the next year, as building operations on either house cannot well be undertaken until spring. However, as the City Council saw fit to pass the loan orders, as they were for necessary improvements which were anticipated by the public, and as no objections were made to me, I approved the orders. Without the passage of these orders the record for the year would have shown a substantial reduction in the city debt.

The lesson of economy has been often and solemnly preached. Its reiteration is the leading feature of every inaugural address that has met my eye. Is it necessary for me to discuss what you already know? You know the burdens of debt. You know the folly and consequences of extravagance. You know that it is hard work for a city like Lowell, with a small valuation, a \$3,000,000. debt and a \$12 per thousand limit of taxation for current expenses, to make both ends meet. It is sufficient then for me to say: Gentlemen, you know

the situation. Do the best you can. Act cautiously and conservatively. Think carefully before you vote appropriations. Think carefully twice before you vote to borrow money.

Let us hope that without accidents or unforeseen crises we may be able this year to reduce the tax-rate a little, to scale the city debt a little and at the same time satisfy the reasonable demands of a patient and deserving community.

CONCLUSION.

Gentlemen, we now set out to perform our respective duties. Let us bear in mind that the best ideal is fair and impartial treatment to all men and all measures. We are not to reward friends or to punish enemies. Selfish and personal considerations can have no place in a government that shall meet the approval of our fellow citizens. Let our aims be high. Let our actions be fair and open. Let us strive to place the government of 1908 upon a plane that will meet the expectations of those who have put us here. Let us work in harmony and with the determination to show that government by the people is not a lost art and that a city council of chosen representatives can govern a city justly, wisely and well.

And may the blessing of Him whose name has been invoked to guide and direct us, descend upon those who come here with pure hearts and clean minds to devote unselfishly the best there is in them to the service of the city they hold so dear.

MUNICIPAL REGISTER

CONTAINING

RULES AND ORDERS

OF THE

CITY COUNCIL,

AND A LIST OF THE

Government and Officers of the City of Lowell

1908



LOWELL, MASS.
COURIER-CITIZEN COMPANY.
1908.

JOINT RULES AND ORDERS OF THE CITY COUNCIL

1. In the month of January, and not later than the second regular meeting after organization of each branch of the City Council, joint standing committees shall be appointed 'as follows:

A COMMITTEE ON CLAIMS.

A COMMITTEE ON EDUCATION.

A COMMITTEE ON FIRE DEPARTMENT.

A COMMITTEE ON LANDS AND BUILDINGS.

A COMMITTEE ON MILITARY AFFAIRS.

A COMMITTEE ON ORDINANCES AND LEGISLATION.

A COMMITTEE ON PRINTING.

A COMMITTEE ON STREETS.

A COMMITTEE ON COMMONS.

A COMMITTEE ON INDUSTRIES.

Each committee shall consist of two Aldermen and three members of the Common Council, except the Committee on Streets, which shall consist of two Aldermen and five members of the Common Council.

2. Each board shall, in such manner as it may determine, select its own members for any joint committee.

3. In all joint standing committees, except that on Finance, the member first named in the Board of Aldermen shall be chairman; on the Committee on Finance, the member first named in the Common Council shall be chairman; and in all joint special committees, the member first named in the board where the business originates shall be chairman, and shall call the committee together.

4. Reports of committees shall be made to the board first meeting after such reports are prepared and signed.

5. No committee shall act by separate consultation, and no report shall be received unless agreed to in committee actually assembled.

6. It shall be the duty of every joint committee, (the Committee on Streets excepted) to whom any subject may be specially referred, to report thereon within five weeks, or ask for further time.

7. The by-laws of the city shall be termed ordinances; the enacting clause of which shall be—Be it ordained by the City Council of the City of Lowell, as follows: In all votes by which either or both branches of the City Council express anything by command, the form of expression shall be, Ordered, and whenever either or both branches express opinions, principles, facts or purposes, the form shall be, Resolved.

8. An ordinance may originate in either board, and shall be considered in three several stages. It shall first be read for information, and the question shall then be on ordering it to the Joint Standing Committee on Ordinances and Legislation, and then sent to the other branch for concurrence. When reported back, the recommendations of the committee shall first be acted on. If it shall then be ordered to a second reading, it shall next be examined by a standing committee of that board, who shall see that it is drawn in proper form. When returned by such committee, the question shall be on ordering it to be enrolled. If so ordered, it

shall then be sent to the other board, where the same order of proceedings shall be observed. When it has been ordered by both branches to be enrolled, it shall be enrolled by the Clerk of the Common Council, and shall be by him submitted to the proper committee of that board to ascertain if it has been correctly enrolled. If so reported, the question shall be on passing it to be ordained. If it shall so pass, it shall be signed by the President of the Common Council, and be sent to the Board of Aldermen, where it shall take a like course. If passed to be ordained in that board, it shall be signed by the Chairman of the Board of Aldermen and sent to the Mayor for his approval.

9. An ordinance may be rejected in any stage, but may not pass through all its stages in the same day. Each board shall transmit to the other all papers on which any ordinance, joint resolution, or order shall be founded; and all papers on their passage between the two boards, shall be under the signature of their respective clerks, except ordinances and joint resolutions in their last stage, which shall be signed by the presiding officer. If papers come before either board which have been duly acted upon in the other board, the presiding officer shall so state without reading the endorsements of the clerk, unless the latter are called for.

10. All enrolled ordinances shall be written in a fair and legible hand, or typewritten, provided a permanent record ribbon is used, without interlineations or erasures, and no enrolled ordinance or resolution shall be amended.

11. Every joint resolution shall be read in the board in which it is introduced, and the question shall be upon ordering it to a second reading. If so ordered, the question shall then be upon its passage. If passed, it shall be sent to the other board, where the order of proceeding shall be the same. When passed by both boards, the resolution shall be presented to the Mayor for his approval, and when the same shall be in force, shall be enrolled by the clerk of the Common Council, and when found correctly enrolled as provided in the case of

an ordinance, it shall be signed by the President of the Common Council and the Chairman of the Board of Aldermen, and be presented to the Mayor for his signature if he approved the original.

12. Joint orders shall require but one reading, and when adopted, shall be sent to the Mayor for his approval, except where they relate to a question of a convention of the two branches, or the election of any officer.

13. When either board does not concur with the other in any ordinance or resolution sent from the other, notice of such non-concurrence shall be given by a written message.

14. In any case of non-concurrence, each board may appoint a Committee of Conference. Such committee shall consist, in each case, of three members who support the vote of their own board. These two committees may meet jointly or separately, and a majority of each shall decide its action.

15. All reports and other papers submitted to the City Council shall be written in a fair hand, or typewritten, provided a permanent record ribbon is used, without endorsement, except in case of the introduction of an order or resolution. In such a case the member introducing an order or resolution shall subscribe his name at the bottom of the back of the same. All other endorsements upon the back of papers shall be made by the clerk; and the clerks of the boards respectively, shall, on seasonable notice, make copies of any papers to be reported by committees, at the request of the respective chairmen thereof.

16. No business shall be transacted by the City Council in convention, except such as shall have been previously agreed on, unless by unanimous consent.

17. In balloting in joint convention, blanks shall be reported but not counted as votes.

18. When both boards are in session at the same time, neither shall adjourn without giving notice to the other of its intention.

19. All petitions, reports, or other papers of whatever description, relating to business requiring the concurrent action of both boards of the City Council, shall be submitted by committees to the clerk of each board at least twenty-four hours before the time of meeting of either board, and the clerk of each board shall prepare a brief synopsis of all matters to be acted upon, and place the same on the desk of each member of the City Council prior to the hour of opening the meeting. No reports or orders not previously furnished as herein described, shall be considered in either branch unless two-thirds of the members present consent thereto.

20. These rules may be suspended for a specific purpose, or amended, whenever twenty-four members of a joint convention of the two branches shall so direct, or whenever a joint order to that effect shall be passed by the votes of six members of the Board of Aldermen and eighteen members of the Common Council.

21. No resolution for the extension and laying out of any street or public highway shall be passed to a second reading by either branch of the City Council until the City Civil Engineer shall certify to the council that said street or highway is fully completed, and graded to the grades named in the resolution, without expense to the city.

22. A yea and nay vote of the members of the City Council shall be required to pass any order or vote involving the expenditure or the appropriation of the public moneys, or involving any debt or liability, and such vote shall be entered upon the records of each branch of the City Council.

23. Less than a quorum of each branch of the City Council may adjourn to a fixed day earlier than the regular meeting, and shall have power to compel the attendance of all absent members in such manner as the City Council may by ordinance provide.

24. In the absence of rules governing both boards of the City Council, Cushing's Manual shall decide the point.

RULES AND ORDERS OF THE BOARD OF ALDERMEN

1. At the appointed time the presiding officer shall take the chair, and on the appearance of a quorum, proceed to business.

2. The order of business shall be as follows:

First.—At all regular meetings the journal of the last regular meeting and all intervening meetings of the board shall be approved without reading, unless the reading be called for by some member of the board.

Second.—Petitions and similar papers.

Third.—Appointments, elections, etc.

Fourth.—New business, which, unless otherwise ordered, will take its place at the foot of Orders of the Day.

Fifth.—Orders of the Day, consisting of unfinished business of the last previous meeting, papers from the Common Council and such matters as have been introduced as new business. By a vote of six members, any matter in the Orders of the Day may at any time be taken up for immediate consideration.

3. The presiding officer shall decide all points of order, subject to appeal. He may read while sitting, but must rise to put a question. He shall allow debate on a question until the vote has been declared, but not on the verification of a vote; and on demand of two members shall take every vote by yeas and nays.

4. When a question is under debate, the presiding officer shall receive no motion but to adjourn, to take up a special

assignment, to lay on the table, to postpone to a day certain, to commit, to amend, or to postpone indefinitely. These several motions shall have precedence in the foregoing order, and debate upon any of them shall be confined to the actual motion, and shall not go into the merits of the main question, except on amendment.

5. When a vote has passed, except for adjournment or to lay on the table, any member voting with the majority may move a reconsideration, to be acted upon at the same meeting. Any member voting with the minority may move a reconsideration, to be acted upon at the next meeting, which latter motion shall have priority, if made before the motion first mentioned shall have been decided. Provided, however, that no motion of reconsideration made by a member voting with the minority shall be received on any subsidiary or incidental question. No motion shall be twice reconsidered.

6. No member shall be interrupted while speaking, but by a call to order, or for the correction of a mistake; nor shall there be any conversation among the members while a paper is being read, or a question stated from the chair.

7. When any member is about to speak in debate, he shall rise in his place and respectfully address the presiding officer, shall confine himself to the question under debate, and avoid personality.

8. In the month of January the following committees shall be appointed:

A COMMITTEE ON BILLS IN SECOND READING.

A COMMITTEE ON ELECTRIC WIRES.

A COMMITTEE ON ENROLLMENT.

A COMMITTEE ON LICENSES.

A COMMITTEE ON LIGHTING STREETS.

A COMMITTEE ON SEWERS.

A COMMITTEE ON WEIGHTS AND MEASURES.

A COMMITTEE ON STATE AID.

The committees on Licenses, on Sewers, and on Electric Wires shall consist of three members each; the other committees shall be composed of two each.

9. Every member present shall be held obliged to vote on all questions, and not to leave without permission, if his presence is necessary to make a quorum.

10. The clerk shall prepare, for the use of the board, a copy of the Orders of the Day, to which shall be added a list of matters laid on the table or postponed to a day certain.

11. When a reference is proposed to more than one committee the question shall first be upon a standing committee of the board, then a special committee, then a joint standing committee, and last a joint special committee.

12. These rules may be amended or suspended whenever two-thirds of the members present may so vote; but a motion to amend shall not be made and finally acted upon at the same meeting.

13. All nominations shall lie on the table three days at least before action thereon by the board.

14. All papers, of whatever description, which may require action by the board, shall be presented to the City Clerk not later than the hour of noon on the day of each regular meeting. Petitions, reports and other papers, presented after that hour on such day, will not be considered until the next meeting.

RULES AND ORDERS OF THE COMMON COUNCIL

1. Upon the arrival of the hour fixed upon for the meeting, the President shall call for order, and within ten minutes (or sooner, if a quorum be present,) cause the clerk to call the roll and report to him the number present, and the number absent, which information he shall, in turn, announce to the body. In the absence of the President, the eldest senior member shall call to order and preside until a President pro tempore is chosen.

2. The President shall preserve order and decorum. He may speak to points of order in preference to other members, rising for that purpose. He shall decide questions of order, subject to appeal, but shall entertain no discussion on the merits of his ruling.

3. While addressing the body the President shall stand, but he may read or put questions while sitting.

4. The President shall declare all votes, and, if a vote be doubted, he shall, without permitting further debate require the members voting in the affirmative to rise and remain standing until they are counted by the clerk; then he shall require the members voting in the negative to rise and remain standing until they are counted by the clerk, and he shall thereupon, on information from said clerk, declare the result.

5. The President may call any member to the chair, but such substitution shall not extend beyond an adjournment, and when out of the chair he may express his opinion on any subject under debate, but he must not resume the chair while the same question is pending.

6. All questions shall be propounded by the President in the order in which they are moved, unless the subsequent motion be previous in its nature.

7. After a motion is stated by the President, it shall be disposed of by a vote of the body, unless the mover, (no objection being offered) withdraws it before a decision or amendment.

8. A motion to adjourn shall always be in order, unless the body is engaged in voting.

9. The previous question shall be in this form: "Shall the main question be now put?" It shall only be admitted when demanded by a majority of members present, and until it is decided, shall preclude all amendment and debate of the main question.

10. The yeas and nays shall be taken on any question upon demand of one-third of the members present.

11. When two or more members rise at the same time, the President shall name the member who shall speak first.

12. Every motion shall be reduced to writing, if the President or any member requires it.

13. When a question is under debate, no motion shall be received but to adjourn, to lay on the table, for the previous question, to postpone to a certain day, to commit, to amend, or to postpone indefinitely; which several motions shall have precedence in the order in which they are arranged; and no motion to postpone or commit shall be allowed twice in the same day, in the same stage of the ordinance or proposition, nor shall a vote on any subsidiary or incidental motion be reconsidered, except a motion to that effect be made and be acted upon at the same meeting at which the vote was decided.

14. When any member is about to speak in debate, or deliver any matter to the body, he shall rise and respectfully address the presiding officer, confine himself to the question, and avoid personality.

15. During debate no member shall be mentioned by name, but he may be described by such other designation as may be intelligible and respectful.

16. No member, while speaking, shall be interrupted by another, but by a call to order or to correct a mistake. If any member, in speaking or otherwise, transgresses the rules of the body, the President shall, or any member may, call him to order; in which case the member so called to order shall immediately be seated until the question of order is decided. If the decision be in favor of the member called to order, he shall be at liberty to proceed; if otherwise, he shall not proceed without leave of the body.

17. No member shall speak more than twice to the same question without obtaining leave of the body.

18. Whilst the President is speaking, no member shall pass between him and the body, and while a member is speaking no person shall pass between him and the President; nor shall any person rise in front of a speaking member except to raise a point of order.

19. When a question has been decided, any member voting with the majority may move a reconsideration to be acted upon at the same meeting. Any member voting with the minority may move a reconsideration to be acted upon at the next meeting; which latter motion shall have priority, if made before the motion first mentioned shall have been decided. No vote or question shall be twice reconsidered.

20. Every member present when a question is put shall, unless for specific reasons, excused by a majority of the members, give his vote. But in the election of any city officer, he may decline to vote, as provided in Section 7, Chapter 26, of the Revised Laws. And no member shall leave without permission, if his presence is necessary to make a quorum.

21. No motion or proposition, on a subject different from that under consideration, shall be admitted under color of an amendment.

22. All reports may be committed or recommitted at the pleasure of the body.

23. The division of a question may be called for when the sense will admit of it.

24. A majority vote shall be necessary to sustain objection to the reading of a paper.

25. No standing order shall be suspended, except by a two-thirds vote of the members present; nor shall any rule or order governing the body be repealed or amended without one day's notice, nor unless fourteen members concur therein.

26. The order of business shall be as follows:

1—Roll call.

2—Reading of records.

3—Papers from the Board of Aldermen.

4—Communications and reports from city officials.

5—Presentation of petitions, remonstrances and memorials.

6—Reports of Committees.

7—Unfinished business of preceding meetings.

8—Motions, orders or resolutions.

The above order of business shall not be departed from, except by vote of a majority of the members present, but the body may appoint a committee of two to approve the records of the clerk during the year, and if such a committee is appointed, the reading of the records shall be omitted, unless called for by one-third of the members present.

27. The seats of the Common Council shall be numbered and determined by lot, and no member shall change his seat but by permission of the President.

28. All committees, except such as the body determines to select by ballot, or such as may be required by statute to be voted for, shall be appointed by the President, and the political minority shall be represented by at least one member.

29. No member shall be obliged to serve on more than two committees at the same time, or be chairman of more than one.

30. All memorials and other papers addressed to the body shall be presented by the President, or by a member in his place, who shall explain the subject thereof; and they shall be taken up in the order in which they were presented, unless the body shall otherwise direct.

31. Standing committees shall be appointed on the following subjects:

On Second Reading of Bills and Ordinances.

On Enrollment.

On Elections and Returns.

32. No committee shall sit during a session of the body, without special leave, except the Committee on the Second Reading of Bills and Ordinances and the Committee on Enrollment.

33. These rules shall be observed in the Committee of the Whole, so far as they are applicable, except Rule 17.

34. When a committee is nominated by the chair, the person first named shall be chairman. In the election of committees, except on finance, when a chairman is not specially chosen, the person having the highest number of votes shall act as chairman; and in case of an equality in votes between two or more members of a committee, the members thereof shall choose a chairman.

35. All committees shall consist of three members, unless otherwise specially provided for; and no report shall be received from any committee unless agreed to in committee actually assembled; and reports shall be in writing, unless otherwise ordered.

36. It shall be the duty of every committee to whom any subject may be specially referred, to report thereon within five weeks, unless further time is previously asked for and granted.

37. Members of the body may attend any meeting of any of its committees, but shall not vote thereat.

38. All ordinances and resolutions shall have two several readings before they shall be finally passed. See Joint Rules 7 and 8.

39. All ordinances after being read a second time shall be referred to the Committee on the Second Reading of Bills and Ordinances, and after being reported upon by said committee, shall be again read, after which the question shall be on passing the same to be enrolled.

40. No ordinance or resolution imposing penalties, or authorizing the expenditure of money, shall have more than one reading the same day.

41. Any member offering a resolution or order shall write his name on the bottom of the back of such paper.

42. All city officers shall be voted for in accordance with Section 7, Chapter 26, of the Revised Laws.

43. The clerk shall keep brief minutes of the votes and proceedings of the body, entering thereon all accepted resolutions; shall notice reports and memorials, and other papers submitted to the board, only by their titles or by a brief description of their purport.

44. The clerk shall keep the record of committees that may require that service; and on the appointment of every standing committee, a book for records shall be provided by its chairman, or by said clerk. The clerk shall have the custody of all minutes by him kept; and the records of the several committees shall be open to the inspection of members of the City Council.

45. With the exception of an order for a joint convention, any joint order or resolution originating in the Common Council, shall be copied, and shall, previous to the hour for calling the meeting to order, be posted by the clerk, in some prominent place in the Common Council chamber or coat room, where it may be open to the inspection of members.

46. All orders, resolutions, reports, petitions or other papers, (except communications) requiring concurrent action, or action by this body only, shall be filed by members in the office of the City Clerk at least twenty-four hours before the time set for the meeting of the body; also all reports or papers from committees.

47. No paper entered in violation of the preceding rule shall be considered except by unanimous consent.

48. The clerk shall, previous to each regular or special meeting, prepare, in the sequence of the order of business, a brief synopsis of all matters to be acted upon, and place, or cause to be placed, on the desk of each member, a copy of the same, prior to the hour designated for calling such meeting to order.

49. "Cushing's Manual" shall be authority on all questions of debate or parliamentary usage, when the same does not conflict with the rules and orders of this body.

50. A copy of "Cushing's Manual" shall, at all times, during the sessions of this body, be on the desk of the President.

CITY COUNCIL AND COMMITTEES FOR 1908

MAYOR

FREDERICK W. FARNHAM.....60 Marlborough Street

ALDERMEN

FRANK R. BAILEY.....3 and 4 Brookings Street
OWEN E. BRENNAN.....10 Kinsman Street
PETER H. BUTTERWORTH.....142 Sanders Avenue
FRANK W. CHENEY.....60 Sheldon Street
CHARLES P. COMERFORD.....32 Nineteenth Street
ARTHUR L. GRAY.....71 Dover Street
JAMES T. O'HEARN.....19 Grace Street
HARRY H. J. READ.....347 Westford Street
WESLEY M. WILDER.....6 Coral Street
HARRY H. J. READ.....Chairman
GIRARD P. DADMAN.....Clerk

COMMON COUNCILMEN

Ward One

FREDERICK G. BALDWIN.....374 Beacon Street
JOHN A. MCKENZIE.....4 Crane's Avenue
STANLEY E. QUA.....140 Methuen Street

Ward Two

JOHN A. COTTER.....234 Adams Street
JOHN E. KEARNS.....24 Brooks Street
MURTHEY LYONS.....25 Cross Street

Ward Three

SMITH J. ADAMS.....9 Stevens Street
ROYAL K. DEXTER.....319 Wilder Street
GEORGE E. MARCHAND.....8 Brickett Avenue

Ward Four

DENNIS J. DONOHUE.....669 Central Street
THOMAS J. FOUDY.....26 Cedar Street
JOHN P. MAHONEY.....12 New Street

Ward Five

JAMES A. DONOHUE.....16 Merrill Street
JAMES J. FLANAGAN.....191 Pleasant Street
FREDERICK J. WELCH.....352 Lawrence Street

Ward Six

ALBERT BERGERON.....479 Moody Street
WILFRID CADORET.....905 Lakeview Avenue
JOSEPH H. JODOIN, JR.....152 West Sixth Street

Ward Seven

JOHN B. BOUDREAU.....24 Crawford Street
JOHN THOMAS.....45 Tolman Avenue
JOHN W. WAINWRIGHT.....152 School Street

Ward Eight

GEORGE B. McKIDDER389 Lincoln Street
ALEXANDER D. MITCHELL.....70 Chelmsford Street
CHARLES A. SPENCER.....643 Westford Street

Ward Nine

JOSEPH FIELDING.....222 High Street
TYLER A. STEVENS.....751 Andover Street
THOMAS E. WILDE.....1182 Lawrence Street

TYLER A. STEVENS.....President
FRANK M. DOWLING.....Clerk

MEETINGS OF THE CITY COUNCIL

The regular meetings of both branches of the City Council are held at the City Hall as follows:

ALDERMEN

First and Third Tuesdays in each Month except August.

January.....	7 and 21	July	7 and 21
February.....	4 and 18	September	1 and 15
March	3 and 17	October	6 and 20
April	7 and 21	November.....	3 and 17
May	5 and 19	December	1 and 15
June.....	2 and 16		

At 8 P. M.

COUNCILMEN

Second and Fourth Tuesdays in each Month except August.

January.....	14 and 28	July	14 and 28
February.....	11 and 25	September	8 and 22
March	10 and 24	October	13 and 27
April	14 and 28	November.....	10 and 24
May	12 and 26	December	8 and 22
June.....	9 and 23		

At 8 P. M.

Joint Standing Committees of the City Council

ACCOUNTS—Alderman Gray; Councilmen Lyons and McKidder.

APPROPRIATIONS—Aldermen Read, Gray and Comerford; Councilmen Dexter, Wainwright, Foudy and Stevens.

CLAIMS—Aldermen O'Hearn and Bailey; Councilmen Qua, Marchand and Flanagan.

EDUCATION—Aldermen Gray and Butterworth; Councilmen Qua, Spencer and Foudy.

- FINANCE—Councilman Thomas (chairman), Mayor Frederick W. Farnham, Alderman Bailey, Councilmen Cotter and Bergeron.
- FIRE DEPARTMENT—Aldermen Bailey and Brennan; Councilmen Marchand, Fielding and Flanagan.
- INDUSTRIES—Aldermen Gray and Brennan; Councilmen Fielding, Cadoret and Kearns.
- LANDS AND BUILDINGS—Aldermen Cheney and O'Hearn; Councilmen Adams, Baldwin and J. A. Donohoe.
- MILITARY AFFAIRS—Aldermen Comerford and Bailey; Councilmen Bergeron, Mitchell and D. J. Donohue.
- ORDINANCES AND LEGISLATION—Aldermen Brennan and Wilder; Councilmen Dexter, Bergeron and Welch.
- PRINTING—Aldermen Butterworth and Gray; Councilmen Spencer, McKenzie and Mahoney.
- STREETS—Aldermen Wilder and Butterworth; Councilmen Wilde, Baldwin, Boudreau, Jodoin and Welch.
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Standing Committees of the Board of Aldermen

- SEWERS—Aldermen Read, Cheney and Brennan.
- STATE AID—Aldermen Cheney and O'Hearn.
- LIGHTING STREETS—Aldermen Comerford and Read.
- ELECTRIC WIRES—Aldermen Cheney, Wilder and O'Hearn.
- LICENSES—Aldermen Bailey and Comerford.
- WEIGHTS AND MEASURES—Aldermen Wilder and O'Hearn.
- BILLS IN SECOND READING—Aldermen Wilder and Butterworth.
- ENROLLMENT—Aldermen Bailey and Comerford.
- ELECTIONS AND RETURNS—Aldermen Bailey and Comerford.
-

Standing Committees of the Common Council

- BILLS IN SECOND READING—Councilmen Wainwright, McKenzie and Cotter.
- ENROLLMENT—Councilmen Wilde, Cadoret and J. A. Donohoe.
- ELECTIONS AND RETURNS—Councilmen Adams, Mitchell and Jodoin.
- CLERK'S RECORD—Councilmen Boudreau and Kearns.
- RULES—Councilmen McKidder, Thomas and Lyons.

CITY OFFICERS FOR 1908

MAYOR

Telephone, 395

FREDERICK W. FARNHAM.....Office, City Hall
Chosen at City Election, the second Tuesday in December.

CITY CLERK

Telephone, 430

GIRARD P. DADMAN.....Office, City Hall
Chosen by the City Council in convention in January. Term expires
first Monday in January, or when successor is chosen. City Charter,
Sect. 17, Ord., Chap. 8.

ASSISTANT CITY CLERK

WILLIAM P. McCARTHY.....Office, City Hall
Appointed by the City Clerk, subject to approval of the Board of
Aldermen. R. L. Chap. 26, Sect. 16. Ord. Chap. 8.

CLERK OF COMMITTEES

Telephone, 130

FRANK M. DOWLING, Term expires 1910.....Office, City Hall
Chosen by concurrent vote in January for the term of three years.
Ord. 1900.

CITY TREASURER AND COLLECTOR OF TAXES

Telephone, 577

ANDREW G. STILES.....Office, City Hall
Chosen by the City Council in convention in January for one year from the first day of April, or until successor is chosen. City Charter, Sect. 17, Ord., Chap. 9.

AUDITOR OF ACCOUNTS

Telephone, 74

CHARLES D. PAIGE, Term expires April 1, 1909.....Office, City Hall
Chosen by concurrent vote in January or February for three years from the first day of April, or until successor is chosen. Chap. 373, Acts of 1905.

SUPERINTENDENT OF STREETS

Telephone, 572-3

CHARLES J. MORSE.....Office, City Hall
Chosen by concurrent vote in January or February. Term expires first Monday in January, or when successor is chosen. Ord., Chap. 39, Sect. 1.

CHIEF OF THE DEPARTMENT OF SUPPLIES

Telephone, 230

PETER A. MacKENZIE.....Office, City Hall
Chosen at annual city election. Sect. 3, Chap. 415, Acts of 1896.

CIVIL ENGINEER FOR THE CITY

Telephone, 136-2

GEORGE BOWERS.....Office, City Hall
Chosen by concurrent vote in Jan. or Feb. for one year from the first day of April, or until his successor is chosen. Ord., Chap. 13, Sect. 1.

CITY SOLICITOR

Telephone, 1400

JAMES GILBERT HILL.....Office, City Hall
 Chosen by concurrent vote in Jan. or Feb. for one year from the first day of March, or until his successor is chosen. Ord., Chap. 11, Sect. 1.

CITY MESSENGER

Telephone, 130

JOSEPH E. PATTEE.....Office, City Hall
 Chosen by concurrent vote in Jan. for one year from the first Monday in Feb. or until successor is chosen. Ord., Chap. 10, Sect. 1.

BOARD OF PARK COMMISSIONERS

HARVEY B. GREENETerm expires 1909
 THALLES P. HALLTerm expires 1910
 COL. PERCY PARKERTerm expires 1911
 HON. JOHN E. DRURY, (Secretary)Term expires 1912
 HON. JOHN J. PICKMAN, (Chairman)Term expires 1913

One member appointed annually by the Mayor with the approval of the City Council, for a term of five years from the first Monday in May. Revised Laws, Chap. 28.

CHARLES A. WHITTET, Superintendent.

TRUSTEES OF CITY LIBRARY

FREDERICK W. FARNHAM, Chairman, Ex-Officio.....Mayor
 GEORGE F. RICHARDSON, Vice-Chairman.....Term expires 1909
 THOMAS WALSHTerm expires 1910
 DENNIS A. SULLIVANTerm expires 1911
 MRS. ROWENA PALMER.....Term expires 1912
 FRANK P. PUTNAMTerm expires 1913
 FREDERICK A. CHASE.....Librarian and Clerk

Telephone 506-3

Regular meeting last Tuesday in each month.

Appointed by City Council to acquire a site and build a public hall.
Ordinance approved May 15, 1906.

WALTER W. SMITH.....Office, City Hall
Chosen by concurrent vote in January for one year. Ord. approved
Aug. 3, 1906, Sec. 3.

DR. FORSTER H. SMITH, Term expires Dec. 1, 1908,
Office, 663 Merrimack Street
Chosen by concurrent vote in October or November for term of three
years from first day of December. Ord. approved Dec. 9, 1905.

WILLIAM H. WILSON (Chairman)Term expires April 9, 1909
CHARLES A. GALE (Secretary)Term expires April 9, 1910
LEMUEL W. HALL.....	Term expires April 9, 1911

HENRY O. BROOKSTerm expires April 9, 1912
 RICHARD A. GRIFFITHSTerm expires April 9, 1913

SOLOMON S. MAYBERRY.....Superintendent

One Trustee appointed by the Mayor annually in April for term of five years. Chap. 242, Acts 1907.

ASSESSORS OF TAXES

Telephone, 136-3

C. ARTHUR ABBOTTTerm expires 1909
 ALBERT J. BLAZONTerm expires 1910
 ABEL WHEELERTerm expires 1911

ABEL WHEELER.....Chairman
 C. ARTHUR ABBOTT.....Secretary
 WILLIAM J. REARDON.....Clerk

TEMPORARY ASSISTANT ASSESSORS OF TAXES

RICHARD CHARLTON	CORNELIUS F. CRONIN
EDWARD T. GOWARD	GORDON L. LEE
THOMAS F. GARVEY	WILLIAM J. McCLUSKEY
JOHN E. McCORMICK	GEORGE W. PETERSON
MICHAEL BOURDON	JAMES J. REDMOND
EDMUND J. CHENEY	WARREN P. RIORDAN

Assessors:—One chosen by concurrent vote annually in January or February, for the term of three years from the first Monday in January, or until successor is chosen.

Temporary Assistant Assessors:—Appointed by the Assessors. Ord., Chap. 3. Amended Ord. approved April 23, 1908.

INSPECTOR OF WIRES

Telephone, 288-2

WILLIAM R. FOSTER.....Term expires Feb. 1, 1910

Appointed by Mayor and Aldermen in January for term of three years. Ord. approved July 15, 1898.

BOARD OF CHARITIES

Telephone, 566-3

ELZEAR H. CHOQUETTETerm expires Jan. 15, 1909
 AMASA PRATT.....Term expires Jan. 15, 1910
 JAMES J. BROWN.....Term expires Jan. 15, 1911
 AMBROSE HINDLETerm expires Jan. 15, 1912
 WALTER COBURN (Chairman)Term expires Jan. 15, 1913

One member appointed by the Mayor annually, before the fifteenth day of January, for a term of five years from said fifteenth day of January. Chap. 337, Acts of 1905.

Superintendent

Telephone, 323-3

MARTIN J. COURTNEY.....Office, City Hall
 Residence at City Hospital.

District and Dispensary Physicians

DISTRICT 1—DR. T. J. HALLORAN.....8 Runels Building
 DISTRICT 2—DR. A. J. HALPIN.....26 Central St
 DISTRICT 3—DR. JAMES E. LEARY.....Associate Building
 DISTRICT 4—DR. A. E. GILLARD.....32 John St
 DISTRICT 5—DR. GEORGE O. LAVALLEE....777 Merrimack St
 DISTRICT 6—DR. PIERRE BRUNELLE, JR...33 East Merrimack St

City Dispensary

City Hall

EDWIN F. MASONClerk
 Open week days 9 A. M. to 1 P. M., 2.30 to 5 P. M.

WATER BOARD

OFFICE, CITY HALL

Telephone, 271

ROBERT J. CROWLEY.....President
 JAMES McDOWELLTerm expires 1909
 JAMES G. HILLTerm expires 1910

ROBERT J. CROWLEY Term expires 1911
 ROBERT W. VAN TASSELL Term expires 1912
 JOHN W. CRAWFORD..... Clerk
 ROBERT J. THOMAS..... Superintendent

The members of the Water Board are chosen by concurrent vote in January or February for a term of four years from second Monday in March following their election, one member retiring annually.

The Superintendent is chosen in March by the Board.

The Clerk is chosen by the Board in June. Ord. Chap. 45.

HOURS: 9 A. M. to 5 P. M.

COMMISSIONERS OF SINKING FUNDS

FRED A. BUTTRICK Term expires 1909
 CHARLES L. KNAPP Term expires 1910
 AUSTIN K. CHADWICK Term expires 1911
 ANDREW G. STILES..... Secretary and Treasurer

One member elected annually by the City Council in December for three years, commencing January first. Revised Laws, Chap. 27, Sect. 14.

BOARD OF CIVIL SERVICE EXAMINERS

JOSEPH SMITH..... Chairman
 JOHN J. COLTON, M. D., CHARLES H. CONANT, JOSEPH SMITH
 CHARLES H. CONANT..... Secretary
 Appointed by State Civil Service Commissioners.

Superintendent of State Aid and Agent for the Burial of Indigent Soldiers and Sailors, etc.

Telephone, 136-4

HUBERT M. POTTER
 MARY C. BRENNAN, Asst. Supt.

Appointed by Mayor and Aldermen prior to first day of February, for one year. Ord. approved Sept. 27, 1898.

FIRE DEPARTMENT

The Chief Engineer is elected by concurrent vote in the month of March or April, for the term of three years. Sect. 2, Chap. 95, Acts of 1897.

Assistant Engineers appointed by the Mayor and Aldermen in March or April, the First Assistant for three years, the others for one year, commencing the first day of May. Ord. approved Nov. 27, 1896.

Chief Engineer

Telephone, 201-12

EDWARD S. HOSMER, 202 Westford Street. Term expires 1909
Office, Engine House, Middle Street.

Assistant Engineers

JAMES F. NORTON, First Assistant, 22 Ames St Term expires 1910
CHARLES E. ALWAY. Term expires 1909
EDWARD MELOY, 30 Fort Hill Ave. Term expires 1909
CHARLES STACKPOLE, 105 Liberty Street Term expires 1909
JAMES F. NORTON. Clerk of the Board
The clerk is chosen by the Engineers.

Operator of Fire Alarm Telegraph

HENRY C. FERNALD Central Station

BOARD OF POLICE

Office, Police Station

FRANK K. STEARNS. Chairman
FRANK K. STEARNS Term expires 1910
THOMAS P. BOULGER Term expires 1912
CHARLES H. HANSON Term expires 1914

Appointed by the Mayor under the provisions of Chap. 428 of the Acts of 1894 and Chap. 187 Acts of 1895.

JOHN J. FLAHERTY, JR. Clerk

Regular meetings at the Police Station every Tuesday evening at 8 o'clock.

Telephone, 1411

WILLIAM B. MOFFATT, Superintendent of Police
 REDMOND WELCH, Deputy Superintendent
 WILLIAM R. KEW, Captain
 JAMES BROSNAN, Lieutenant
 HUGH DOWNEY, Lieutenant
 MARTIN CONNORS, Lieutenant
 JOHN B. CROWLEY, Lieutenant
 ALEXANDER DUNCAN, Sergeant
 JOHN FREEMAN, Sergeant
 CHARLES LAFLAMME, Inspector, Criminal
 JOHN A. WALSH, Inspector, Criminal
 MARTIN MAHER, Inspector, Criminal
 MICHAEL E. McDONALD, Inspector of Claims
 THOMAS R. ATKINSON, Inspector, Liquor
 WILLIAM GRADY, Inspector, Liquor
 THOMAS McCLOUGHREY, Inspector, Liquor
 PHILIP DWYER, Inspector, Liquor

Keeper of Lockup

WILLIAM B. MOFFATT

Constables

BELLE-ISLE, VICTOR H. J.	MANSUR, EZRA E.
BOYLE, WM. F.	McMAHON, OWEN
BRADLEY, CHARLES F.	McMANUS, FRANK
DEMARAS, HARRY	McMANUS, JOHN
EMERY, DANIEL	OUELLETTE CLOVIS
GATELY, BERNARD F.	PINDER, JOHN J.
HARTWELL, CHARLES C.	SAVITHES, JORDAN S.
LAFLAMME, SIDNEY I.	SLATTERY, EDWARD F.
LAPIERRE, JOSEPH S.	TURCOTTE, ISIDORE
LAPORTE, ELIE C.	

POLICE COURT

Telephone, 575

SAMUEL P. HADLEY	.....	Standing Justice
JOHN J. PICKMAN	.....	Special Justice
FREDERICK A. FISHER	.....	Special Justice
JAMES F. SAVAGE	.....	Clerk
EDWARD W. TRULL	.....	Assistant Clerk
EDWARD F. SLATTERY	.....	Probation Officer

HEALTH COMMISSIONER

Telephone, 101

WILLIAM B. MOFFATT.....Office, Police Station
 Chosen by concurrent vote by nomination commencing in the Board
 of Aldermen, in January or February. Ord., Chap. 41, Sect. 1.

BOARD OF HEALTH

Telephone, 549-2

THOMAS J. BEANE, Secretary ..Term expires first Mon. in Feb. 1908
 WM. C. DOHERTY, Chairman ...Term expires first Mon. in Feb. 1909
 LEONARD HUNTRESS, M. D.....Term expires first Mon. in Feb.:1910

One member appointed annually by the Mayor and Board of Aldermen in January for term of three years from first Monday in February. Chap. 332, Sect. 1, Acts of 1895.

BOARD OF REGISTRARS OF VOTERS

JOHN P. FARLEY, Chairman

JOHN P. FARLEYTerm expires May 1, 1909
 HUGH C. McOSKER :..... Term expires May 1, 1910
 J. OMER ALLARD..... Term expires May 1, 1911
 GIRARD P. DADMAN, City Clerk, Ex-Officio.

Chap. 560, Sects. 24 and 31. Acts 1907.

One member appointed annually in March or April for three years from the first day of May next ensuing and until his successor is appointed and qualified.

FENCE VIEWERS

WILLIAM A. ARNOLD RICHARD TAFF JOHN VINCENT

Chosen by concurrent vote by nomination commencing in the Board of Aldermen in January or February. Ord., Chap. 41, Sect. 1.

FIELD DRIVERS

FRANK FOX

WILLIAM G. BUMPS

JAMES E. WEBSTER

MARTIN CONNORS

Chosen by concurrent vote by nomination commencing in the Board of Aldermen in January or February. Ord., Chap. 41, Sect. 1.

POUND KEEPER

ORVILLE W. PEABODY

Chosen by concurrent vote by nomination commencing in the Board of Aldermen in January or February. Ord., Chap. 41, Sect. 1.

Sealer of Weights and Measures

JOHN W. STOTT

Appointed by the Mayor and Aldermen in March or April. Revised Laws, Chap. 62, Sect. 18, Ord. Chap. 41, Sect. 2.

Inspector of Milk, Vinegar and Oleomargarine

Telephone, 943.

THOMAS O. ALLEN (died July 11, vacancy not filled) Office, City Hall

Appointed by the Board of Aldermen by nomination in January or February. Ord. Chap. 41, Sect. 2.

Inspector of Animals

Telephone, 555

WALTER A. SHERMAN.....Office, 340 Central Street

Appointed by the Mayor and Board of Aldermen annually in March, subject to approval of Chief of Cattle Bureau. Revised Laws, Chap. 90, Sect. 12, Acts of 1902, Chap. 116.

Inspector of Provisions

JOHN M. FARRELL

Appointed by the Board of Health

Inspectors of Petroleum Oil

THOMAS O. ALLEN

EDWARD S. HOSMER

Appointed by the Mayor and Aldermen. Revised Laws, Chap. 102, Sect. 109.

FISH WARDEN

GEORGE T. SPENCE

Appointed by the Mayor and Aldermen. Revised Laws, Chap. 91, Sect. 54.

FOREST WARDEN

EDWARD S. HOSMER

Appointed by the Mayor and Aldermen, in March or April, subject to the approval of the State Forester. Chap. 475, Acts of 1907.

**SUPERINTENDENT OF CITY SCALES—MEASURER OF WOOD
AND BARK—INSPECTOR OF BALED OR BUNDLED
HAY—AT CITY SCALES**

GEORGE F. NOONAN

Office at City Scales, Rear of Police Station

Appointed by the Board of Aldermen in January or February. Ord. Chap. 46, Sect. 1; Chap. 21, Sect. 1.

**MEASURERS OF WOOD AND BARK BROUGHT BY WATER
OR RAILROAD CARS INTO THE CITY**

JOHN F. BATEMAN

ORA M. SNELL

Appointed by the Board of Aldermen in January or February. Ord. Chap. 46, Sect. 1.

MEASURERS OF WOOD AND BARK

BATEMAN, JOHN F.	LAWRENCE, CLIFTON F.
COBURN, C. G.	LINSCOTT, HIRAM E.
COBURN, JOSEPH B. V.	MARTIN, GEORGE
FENTON, ABRAM	McPHEE, HARRY M.
FULLER, GEORGE B.	MESSER, NORMAN E.
GRIFFIN, WARREN T.	MURPHY, JOHN H.
HALL, OSCAR A.	MURPHY, THOMAS J.
HUMPHREY, J. F.	STANLEY, HARRY L.
HUNT, WILLIAM E.	WASHINGTON, GEORGE

Appointed by the Board of Aldermen in January or February. Ord.
Chap. 46, Sect. 1.

MEASURERS OF GRAIN

DRAKE, CHARLES W.	MURPHY, THOMAS J.
FENTON, ABRAM	MULLANEY, JOHN J.
HARTWELL, GEORGE W.	NELSON IVAR,
KEDDY, ARTHUR D.	ROURKE, FRED H.
LAWLOR, ELLEN M.	RYAN, ARNOLD J.
LIVINGSTON, WM.	SMITH, LORENZO E.
MULLIN, LEON H.	WHITTET, CHARLES A.
MURPHY, JOHN H.	WILSON, FRANKLIN T.

Fees—2½ mills a bushel for measuring. Appointed by the Board of
Aldermen in January or February. Ord. Chap. 41, Sect. 2.

SURVEYORS OF LUMBER

ABBOTT, LEON D.	LINSCOTT, HIRAM E.
BATEMAN, JOHN F.	MARTIN, GEORGE
BRUNELLE, OLIVA	MAYBERRY, OLIVER W.
CARROLL, WILLIAM J.	McAULEY, KENNETH
CONANT, FREDERICK	McKINNON, NORMAN
DELONG, WM. A.	McLEOD, MURDOCK K.
DEMANGE, THOMAS	McPHEE, HARRY M.
ERWIN, JAMES	MESSER, NORMAN E.
FENTON, ABRAM	MOORE, THOMAS H.
FORTIN, GEORGE	MULLANEY, JOHN J.
FULLER, GEORGE B.	MURPHY, JOHN H.

GILMAN, ALBERT I.
HALL, OSCAR A.
HAMMOND, HARRY
HARTWELL, GEORGE W.
HOLSTEIN, ARTHUR H.
HUMPHREY, J. F.
JOHNSTON, EDWARD
KEARNEY, REDMOND D.
KEDDY, ARTHUR D.
LAWRENCE, C. F.
LIBBY, ALBERT F.

MURPHY, THOMAS J.
O'NEIL, DAVID
PHINNEY, ALBERT W.
SCRIBNER, ERNEST D.
SHEA, THOMAS H.
SMITH, LORENZO E.
STEVENS, WM. F.
WHITNEY, GEORGE W.
WHITTET, CHARLES A.
WILSON, FRANKLIN T.

Chosen by concurrent vote by nomination commencing in the Board of Aldermen in January or February. Ord. Chap. 41, Sect. 1.

SURVEYORS OF PLASTERING, BRICK OR STONE WORK AND PAINTING

BATEMAN, JOHN F.
BROOKS, HENRY O.

SMITH, MELVIN B.
SNELL, ORA M.

Appointed by the Board of Aldermen in January or February. Ord. Chap. 41, Sect 2.

WEIGHERS OF HAY AND OTHER ARTICLES ,

BEALS, LAFOREST
BROWN, F. L.
BRYANT, ALTON D.
BUCKMINSTER, ROLLIN
BURNS, GEORGE E.
CAWLEY, EDWARD
CAWLEY, WILLIAM F.
COBURN, C. G.
COBURN, JOSEPH B. V.
CROTTY, MARY E.
CULLINAN, PATRICK
CURRAN, MICHAEL
D'AVILA, JOE
ELLIOTT, HERBERT E.
FENTON, ABRAM
FULTON, R. S.

LAWLOR, ELLEN M.
LINDQUIST, FRANK C.
LINSCOTT, HIRAM E.
MACLACHLAN, ALEXANDER L.
MORSE, R. A.
MULLANEY, JOHN J.
MULLIN, JOSEPH
MULLIN, LEON H.
MURPHY, JOHN H.
MURPHY, THOMAS J.
NELSON, IVAR
O'NEIL, GEORGE R.
PRESTON, J. H.
RAMOS, JOE S.
ROURKE, FRED H.
SHORT, HARRY W.

HARTWELL, GEORGE W.
HOSMER, SAMUEL
HUMPHREY, J. F.
HUNT, WALTER B.
KEDDY, ARTHUR D.
KELLEY, WM.
KELLOGG, RAYMOND M.
KENNEY, FRANK E.
KNIGHT, FRANK W.

SMITH, LORENZO E.
STEVENS, WM. F.
TURNER, CLARKSON H.
VIEIRA, JOHN R.
WHITTET, CHARLES A.
WILSON, E. A.
WILSON, FRANKLIN T.
WOLFF, ABRAHAM

WEIGHERS OF COAL

BEALS, LAFOREST
BRYANT, ALTON D.
BUCKMINSTER, ROLLIN
BUGBEE, RENA F.
BURNS, ETTA
BURNS, GEORGE E.
BUTTERFLY, BENJAMIN L.
CAWLEY, EDWARD
CAWLEY, WILLIAM F.
COBURN, JOSEPH B. V.
CONNORS, JEREMIAH F.
CROTTY, MARY E.
CULLINAN, PATRICK
CURRAN, MICHAEL
DOBSON, FRANK W.
DREWETT, EDWARD
DUNLAY, FRED
DURKIN, THOMAS
ELLIOTT, HERBERT E.
FEENEY, SARAH V.
FENTON, ABRAHAM
FULTON, ROBERT S.
GRIFFIN, WARREN T.
GRONDIN, ABRAHAM
HARTWELL, GEORGE W.
HOSMER, SAMUEL
HUNT, WALTER B.
HUNT, WILLIAM E.
KEDDY, ARTHUR D.
KELLEY, JOHN B.

KELLOGG, RAYMOND M.
KENNEY, FRANK E.
KIDDER, PAULINE H.
KNIGHT, FRANK W.
LAWLOR, ELLEN M.
LINDQUIST, FRANK C.
LIVINGSTON, WM. E.
McCUSKER, JOSEPH T.
MERCIER, ERNESTINE L.
MULLANEY, JOHN J.
MULLIN, JOSEPH
MULLIN, LEON H.
MURPHY, JOHN H.
MURPHY, THOMAS J.
NELSON, IVAR
O'NEIL, GEORGE R.
PRESTON, J. H.
QUINN, JOHN P.
ROURKE, FRED H.
RUSHWORTH, CHARLES B.
SMITH, LORENZO E.
SPAULDING, ALICE A.
STANLEY, HARRY L.
THRAVES, ISABELLA
TURNER, CLARKSON H.
VIEIRA, JOHN R.
WASHINGTON, GEORGE
WELLS, JOSEPH U.
WILSON, E. A.
WILSON, FRANKLIN T.
WILSON, JUSTUS B.

SCHOOL COMMITTEE 1908

ANDREW G. SWAPP.....President
ARTHUR K. WHITCOMB.....Secretary

MEMBERS

Ward 1—EDWARD T. GOWARDTerm expires 1909
Tel. 172-12. 274 Appleton Street

Ward 2—THOMAS MAHONEY, JR.Term expires 1909
Tel. 762-3. 139 Colburn Street

Ward 3—BURTON H. WIGGINTerm expires 1908
Tel. 233. 1010 Middlesex Street

Ward 4—ARTHUR M. KANETerm expires 1909
37 Elm Street

Ward 5—EUGENE F. TOOMEYTerm expires 1908
Tel. 2216-1. 168 Lawrence Street

Ward 6—J. ELZEAR LAMOUREUX, M. D.Term expires 1908
Tel. 414-2. 710 Merrimack Street

Ward 7—ANDREW G. SWAPPTerm expires 1909
Tel. 1453-2. 307 Pawtucket Street

Ward 8—FRANKLIN E. JOHNSONTerm expires 1908
Tel. 1619. 417 Middlesex Street

Ward 9—CRAVEN MIDGLEY.....Term expires 1909
Tel. 1054-3. 169 Meadowcroft Street

STANDING COMMITTEES

1. ON TEACHERS AND SALARIES—Messrs. Wiggin, Swapp, Toomey.
 2. ON BOOKS AND SUPPLIES—Messrs. Lamoureux, Johnson, Midgley, Mahoney, Kane.
 3. ON EVENING SCHOOLS—Messrs. Wiggin, Swapp, Lamoureux, Johnson, Mahoney.
 4. ON HIGH SCHOOL—Messrs. Johnson, Lamoureux, Wiggin, Toomey, Kane.
 5. ON JANITORS—Messrs. Toomey, Goward, Midgley.
 6. ON EVENING DRAWING SCHOOLS—Messrs. Midgley, Goward, Kane.
 7. ON ACCOUNTS—Messrs. Goward, Wiggin, Mahoney.
 8. ON SCHOOLHOUSES AND HYGIENE—Messrs. Toomey, Lamoureux, Johnson.
 9. ON MUSIC—Messrs. Goward, Swapp, Mahoney.
 10. ON RULES—Messrs. Swapp, Midgley, Kane.
-

ASSIGNMENT OF SCHOOLS

- MR. GOWARD, Ward 1—Varnum, Eliot, Kirk Street, Tenth Street, Billings Street, Varnum Kindergarten.
- MR. MAHONEY, Ward 2—High, Green, Worthen Street, Morrill, Morrill Kindergarten.
- MR. WIGGIN, Ward 3—High, Lincoln, Training, Howard Street, Grand Street, Laura Lee, Dover Street, Powell Street. Lincoln, Dover and Plain Street Kindergartens.
- MR. KANE, Ward 4—High, Butler, London Street, Weed Street, Agawam Street, Carter Street, Lyon Street, Agawam Street and Chapel Street Kindergartens.
- MR. TOOMEY, Ward 5—Edson, Training, Charles Street, Central Street, Ames Street, Cottage Street, Charles Street Kindergarten.
- DR. LAMOUREUX, Ward 6—High, Greenhalge, West Sixth Street, Lakeview Avenue, Cabot Street, Cheever Street.
- MR. SWAPP, Ward 7—Bartlett, Pawtucket, Training, Cross Street, New Moody Street, Lexington Avenue, Pawtucket and Bartlett Kindergartens.
- MR. JOHNSON, Ward 8—High, Highland, Franklin, Pine Street, Middlesex Village, Franklin and Pine Street Kindergartens.
- MR. MIDGLEY, Ward 9—Moody, RIVERSIDE, Pond Street, High Street, Sycamore Street, Moody Kindergarten.

Assignment of Evening Schools

MR. WIGGIN—High, Edson, Howard.
 MR. SWAPP—Bartlett, Green, Cheever, Pawtucket.
 DR. LAMOUREUX—Varnum, Aiken Avenue, Moody, Colburn.
 MR. JOHNSON—Mann, Worthen.
 MR. MAHONEY—Butler, Franklin, Riverside.

Superintendent of Public Schools

ARTHUR K. WHITCOMB.....Office, City Hall
 Telephone, 566-4

Office Hours—One hour after the forenoon session of the schools, and from 2 to 3 o'clock on Saturday afternoon.

Truant Commissioners

GEO. F. STURTEVANT
 WM. F. THORNTON
 CAMILLE ROUSSIN
 HENRY L. WILLIAMS

Telephone, 506-2

OFFICE—Third Floor, City Hall

Office Hours—12 to 1 o'clock

Regular Meetings of the School Committee

January.....28	July .....28
February.....25	August .....25
March .....31	September .....29
April .....28	October .....27
May .....26	November.....24
June.....30	December .....29

CHARTER AMENDMENTS. ACTS OF 1896

[CHAP. 415.]

AN ACT TO AMEND THE CHARTER OF THE CITY OF LOWELL.

Be it enacted, etc., as follows:

Sect. 1. All executive powers which are now by law vested in the City Council of the City of Lowell, or either branch thereof, shall hereafter be vested in and exercised by the Mayor of said city except as hereinafter otherwise provided.

Sect. 2. The Mayor may suspend or remove any executive or administrative officer except as hereinafter provided, for such cause as he shall deem sufficient, and shall set forth in the order of suspension or removal his reasons therefor, provided that no removal shall be made upon partisan grounds. The order of suspension or removal shall not take effect until it is approved by the City Council voting by yeas and nays. The City Council may, by a two-thirds vote in each branch, voting by yeas and nays, remove any of said officers without the consent of the Mayor; provided, however, that nothing contained in this section shall apply to any of the following departments, namely; the School Committee, the Police Commission, the Water Board, the Overseers of the Poor, or the Trustees of the Public Library.

Sect. 3. There shall be a department of supplies, and all material and supplies for the city shall be purchased by the chief or head of such department, subject to the approval of the Mayor. So far as is practicable, purchases shall be after public advertisement and under contract approved by the Mayor. All bills for material and supplies shall show the date of purchase, date of delivery, the unit of price, the quality and quantity of articles purchased and received, the number and date of the order of purchase, and if the purchase is under contract, the number and date of the contract, and shall be entered in full in an invoice book, which shall always be open to public inspection. The chief of this department shall be elected by the qualified voters of the city voting at the annual municipal election, and shall hold his office for the next municipal year thereafter, subject to the provisions of section two of this act.

Sect. 4. The Mayor shall cause to be kept a record of all his official acts, and to aid him in his official duties may appoint one or more clerks.

Sect. 5. The heads of the several departments and offices shall have the power to appoint and employ and to discharge all subordinate officers and employees in their respective departments; and they shall keep a record, subject to inspection, of all so appointed and employed and of all discharged, and in all cases of discharge the grounds therefor; provided, however, that no removals shall be made upon partisan grounds.

Sect. 6. The heads of the several departments and offices shall have the general charge and management of all matters pertaining to their respective departments, and shall make and execute all contracts necessary therefor, except for the purchase of material and supplies; but every contract made as aforesaid in which the amount involved exceeds three hundred dollars shall be approved by the Mayor before going into effect; provided that nothing in this section shall be construed to prevent the City Council, by ordinance, from transferring any of the duties imposed upon an appointed head of a department by this act or by ordinance, excepting the purchase of material and supplies, to another head of a department or board or commission.

Sect. 7. Neither the City Council nor either branch thereof, nor any committee or member thereof, shall directly or indirectly take part in the employment of labor, the purchase of material, the construction, alteration or repair of any public works or other property, or in the care, custody or management of the same, or in general in the expenditure of public money, or in the conduct of the executive or administrative business of the city, except as may be necessary for defraying the contingent and incidental expenses of the City Council, or of either branch thereof; nor shall they or either of them take part in the making of contracts.

Sect. 8. No sum appropriated for a specific purpose shall be expended for any other purpose; and no expenditure shall be made and no liability shall be incurred by or on behalf of the city until the City Council has duly voted an appropriation sufficient to meet such expenditure or liability, together with all prior unpaid liabilities which are payable therefrom, except that after the expiration of the financial year and before the making of the regular annual appropriations, liabilities payable out of the regular appropriations may be incurred to an amount not exceeding one-sixth of the total of the appropriation made for similar purposes in the preceding year; provided, however, that nothing herein contained shall be construed to restrict or limit the School Committee in any expenditure which it is now, or may be hereafter authorized to make under any general law of the Commonwealth, or to restrict or limit payments on account of the permanent or temporary debt, or such as are required by law to be made to the Commonwealth.

Sect. 9. All revenues and all monies accruing to the City of Lowell from any source whatever, except trust funds and the revenues of the Water Department, shall, when collected or paid into the treasury, be

carried to one general account, to be known as the General Treasury Fund; and all appropriations by or on behalf of said city, except from trust funds and on account of the Water Department, shall be from such fund and as provided in section ten of this act.

Sect. 10. All bills or other claims, before they are finally certified by the Auditor or paid, shall pass the inspection of a committee of the City Council on accounts. Said committee shall consist of one member of the Board of Aldermen and two members of the Common Council, to be elected annually by ballot by the body they respectively represent. Said committee may report any such bill or claim to the City Council, with their reasons therefor, and no bill or claim so reported shall be passed by the Auditor, or be paid without the consent of the Council. Said committee may require the opinion of the City Solicitor as to the legality of a bill or other claim.

Sect. 11. A yea and nay vote of the members of the City Council shall be required to pass any order or vote involving the expenditure or appropriation of the public monies, or involving any debt or liability, and said vote shall be entered upon the records of each branch of the City Council.

Sect. 12. Less than a quorum of either branch of the City Council, or of the School Committee, or of the Board of Overseers of the Poor, may adjourn to a fixed day earlier than the next regular meeting, and shall have power to compel the attendance of absent members in such manner as the City Council may by ordinance provide.

Sect. 13. All acts or parts of acts and all ordinances of the City of Lowell inconsistent herewith are hereby repealed and annulled; provided, that no act or ordinance heretofore repealed shall thereby be revived; and provided, also, that nothing in this act shall be taken to prohibit the City Council from abolishing any department, board, office or commission created by ordinance.

Sect. 14. The question of the acceptance of this act shall be submitted to the qualified voters of the City of Lowell at the annual State election in the present year, and the affirmative votes of a majority of the voters present and voting thereon shall be required for such acceptance. If so accepted, so much thereof as provides for the election of a Chief of the Department of Supplies shall take effect at the next annual municipal election, and the act shall take full effect on the first Monday of January in the year eighteen hundred and ninety-seven. [Approved May 16, 1896.] (Accepted.)

ACTS OF 1897

[CHAP. 95.]

AN ACT RELATIVE TO THE DUTIES AND POWERS OF CERTAIN OFFICERS
OF THE CITY OF LOWELL.

Be it enacted, etc., as follows:

Section 1. The City Council of the City of Lowell, and each branch thereof, shall have and exercise all the power and authority relative to the election or appointment of city officers, or the confirmation of appointments to office, which were vested in them prior to the enactment of section one of chapter four hundred and fifteen of the acts of the year eighteen hundred and ninety-six.

Sect. 2. The Chief of the Fire Department of said city shall be elected by concurrent vote of both branches of the City Council.

Sect. 3. The City Council shall by ordinance determine what officers shall be the heads of the various departments of the City Government. The head of the department of supplies may sell or dispose of the personal property of the city, upon the recommendation of the Mayor and of the head of the department to which such property belongs, except the products of the City Farm, which the superintendent of said farm shall have the right to dispose of.

Sect. 4. All ordinances of said city inconsistent herewith are hereby annulled, and all acts or parts of acts inconsistent herewith are hereby repealed.

Sect. 5. This act shall take effect upon its passage. [Approved February 20, 1897.]

ACTS OF 1898

[CHAP. 173.]

AN ACT RELATIVE TO APPOINTMENTS IN THE FIRE DEPARTMENT OF THE
CITY OF LOWELL.

Be it enacted, etc., as follows:

Section 1. The Chief Engineer of the Fire Department of the City of Lowell may, on the recommendation of the Board of Engineers, appoint as members of the permanent force, or as call men, without civil service-examination, any person who has served as call or substitute call man in said service for three or more successive years prior to the passage of this act.

Sect. 2. Said Chief Engineer shall have the power to discharge all subordinate officers and employees in the Fire Department of said city, except the members of said board, and with the approval of said board, to appoint and employ all such officers and employees.

Sect. 3. All acts and parts of acts inconsistent herewith are hereby repealed.

Sect. 4. This act shall take effect upon its passage. [Approved March 15, 1898.]

SEC. 7, CHAP. 26, REVISED LAWS.

No election of a city officer by a municipal body or board shall be valid unless made by a viva voce vote, each member who is present answering to his name when it is called by the clerk or other proper officer, stating the name of the person for whom he votes, or that he declines to vote. The clerk or other proper officer shall record every such vote.

ACTS OF 1905

[CHAP. 337.]

AN ACT TO ABOLISH THE BOARD OF OVERSEERS OF THE POOR AND TO
CREATE A BOARD OF CHARITIES IN THE CITY OF LOWELL.

Be it enacted, etc., as follows:

Section 1. The board of overseers of the poor in the City of Lowell shall be abolished as hereinafter provided, and all its powers, rights, duties and liabilities shall be transferred to a board of charities in the said city. No existing contracts, liabilities or suits shall be affected by this act except as hereinafter provided, but the board of charities hereinafter created shall be in all respects the successor of said board of overseers of the poor.

Sect. 2. Between the fifth day and the fifteenth day of January, nineteen hundred and six, the mayor shall appoint a board of charities consisting of five persons, residents of the city, who shall hold office for terms of one, two, three, four and five years, respectively, from the fifteenth day of January, nineteen hundred and six, or until their successors are appointed and qualified; and thereafter the mayor shall annually, before the fifteenth day of January, appoint one member of said board to serve

for a term of five years from said fifteenth day of January. A vacancy shall be filled in the same manner for the unexpired term. The mayor shall designate a member to be chairman. The mayor may remove any member at any time.

Sect. 3. No overseers of the poor shall be elected at the City election of nineteen hundred and five, but the overseers of the poor who were elected for terms ending on the first Monday in January, nineteen hundred and seven, shall constitute the board of overseers of the poor from the first Monday in January, nineteen hundred and six, until the fifteenth day of January, nineteen hundred and six, when their terms shall expire. The term of office of all officers and employees of the overseers of the poor shall expire on the fifteenth day of January, nineteen hundred and six, or upon the appointment of their successors thereafter.

Sect. 4. The board of charities shall appoint a superintendent of charities, who shall have general executive charge of the department of charities, and shall hold office during the pleasure of the said board. He shall receive such salary as the city council may determine.

Sect. 5. All other officers and employees of the department of charities shall be appointed by the superintendent of charities and shall hold their offices and positions at his pleasure.

Sect. 6. This act shall be submitted to the qualified voters of the City of Lowell at the annual state election in the present year and shall take effect upon its acceptance by a majority vote of those voting thereon. The question of acceptance shall be placed upon the official ballot directly after the list of candidates and in the following form:—Shall an act passed by the general court in the year nineteen hundred and five, entitled "An act to abolish the overseers of the poor and to create a board of charities in the City of Lowell," be accepted?

Sect. 7. So much of any act or of any ordinance of the City of Lowell as is inconsistent herewith is hereby repealed or annulled.

Sect. 8. So much of this act as is contained in section six shall take effect upon its passage. [Approved April 26, 1905.] (Accepted.)

ORDINANCES OF THE CITY OF LOWELL

PASSED SINCE 1894.

AN ORDINANCE AUTHORIZING THE CITY TREASURER TO ISSUE REGISTERED CERTIFICATES, NOTES OR BONDS IN EXCHANGE FOR CERTIFICATES, NOTES OR BONDS PAYABLE TO BEARER.

Be it ordained, etc., as follows:

*The City Treasurer may, in accordance with the provisions of Section 5 of Chapter 77 of the Public Statutes, at the request of the owner or holder of any bond, promissory note or certificate of indebtedness of the City of Lowell, at any time while more than one year remains before the principal of such bond, note or certificate is payable, issue in exchange therefor a bond, note or certificate of same effect, payable to the owner or holder by name.

The City Treasurer may also, under like conditions, issue registered certificates, in substitution for any mutilated, defaced or endorsed bonds, notes or certificates; and where a bond, note or certificate of any issue has been lost or destroyed, the City Treasurer, under the direction of the joint standing committee on finance, may issue in place thereof a new bond, note or certificate of the same effect.

The City Auditor, as well as the City Treasurer, shall keep a register of the dates, numbers and amounts of all bonds, notes and certificates issued by the City Treasurer, showing to whom they were issued, when they are payable, and if issued in exchange, for what they were substituted. [Approved May 12, 1896.]

AN ORDINANCE AMENDING SECTION THIRTEEN OF CHAPTER ONE OF THE REVISED ORDINANCES SO AS TO PROVIDE THAT THE SALARIES AND COMPENSATION OF CITY OFFICERS WHEN ONCE ESTABLISHED SHALL CONTINUE UNTIL RE-ESTABLISHED OR CHANGED.

Be it ordained, etc., as follows:

Section 13 of Chapter 1 of the Revised Ordinances is hereby amended by striking out between the word "year" in the third line of said section and the word "provided" in the sixth line thereof, the following words: "for the year commencing on the first Monday of January next ensuing;

*Now Sect. 4, Chap. 73, Revised Laws.

and no change of salary shall be made to take effect during the time for which said salary was established," and inserting in place thereof the following: "provided that when such salaries and compensation shall have been once established, they shall continue until re-established or changed in pursuance of the provisions of this section; and" so that said section as amended shall read as follows:

Section 13. The salaries and compensation of city officers shall be established in the month of December and after the annual municipal election shall have been held, in each year; provided, that when such salaries and compensation shall have been once established, they shall continue until re-established or changed in pursuance of the provisions of this section; and provided that in case any new office shall be created the salary of said newly created office may be fixed at any time; and the salaries or compensation fixed for the payment of said officers shall be in full for all services performed by them by virtue of their offices; and all sums of money received by them from any and every source, in discharge of said services, during any quarter of the fiscal year, shall at the expiration of said quarter be by them paid over or accounted for to the City Treasurer. [Approved May 12, 1896.]

AN ORDINANCE REGULATING THE WEIGHING AND MEASURING OF CERTAIN
ARTICLES PURCHASED BY THE CITY.

Be it ordained, etc., as follows:

All supplies of hay, grain, straw, coal and any other material purchased for the use of the city or any department thereof exceeding one hundred pounds in weight and usually weighed, shall be weighed on the city scales, and all wood purchased for said city shall be measured by the City Measurer of Wood, and no bills shall be paid by the City Treasurer or approved by any committee for such article so furnished the city, unless the certificate of said weigher or measurer shall accompany or be attached to said bill. [Approved May 12, 1896.]

AN ORDINANCE TO PREVENT THE PLACING OF ASHES, GLASS, CROCK-
ERY, ETC., IN OR ON THE PUBLIC STREETS OR WAYS.

Be it ordained, etc., as follows:

Section 1. Any person who shall put or place, or cause to be put or placed, in or upon any street, lane or alley, or other public place in this city, any ashes, glass, crockery, scrap iron, nails, tacks or any other article which would be liable to injure the feet of children or animals, or the tires of bicycles or other vehicles which have wheels with rubber or pneumatic tires, shall be deemed guilty of a misdemeanor.

Sect. 2. Any person violating the provisions of the preceding section or who is guilty of the misdemeanor therein described, shall be liable to a fine of not less than two dollars or more than twenty dollars for each offence. [Approved October 9, 1896.]

AN ORDINANCE AMENDING SECTIONS ONE AND NINE OF CHAPTER TWENTY
OF THE ORDINANCES OF THE CITY OF LOWELL.

Be it ordained, etc., as follows:

Section 1. That section 1, of Chapter 20 of the Ordinances of the City of Lowell be and the same is hereby amended by inserting after the word "engineer" in the second line of said section, the words "a first assistant engineer and three other," and by striking out the word "four" in the second line of said section, and by inserting after the word "removed" in the sixteenth line of said section, the words "the first assistant engineer shall be appointed by the Mayor and Aldermen in the month of March or April, or whenever a vacancy occurs, and he shall enter upon the discharge of the duties of his office on the first day of May of the year in which appointed, if appointed for a full term prior to May of any year, and he shall hold said office for a term of three years from said first day of May, and until his successor is appointed, or he is removed; and if appointed after the first day of May in any year, he shall enter upon the duties of said office forthwith and shall continue therein until the expiration of the full term as existing at the time of said appointment, or until removed;" and by inserting between the words "said" and "assistant" in the seventeenth line of said section, the word "other;" and by inserting after the word "engineer" in the twenty-eighth line of said section, and before the word "shall" in the twenty-ninth line of said section, the words "and first assistant engineer;" so that said section shall read as follows:

Section 1. The Fire Department shall consist of a Chief Engineer, a First Assistant Engineer, who shall perform such duties as may be required of him by the Chief Engineer, and three other assistant engineers and as many enginemen, hosemen, hook and ladder men and other persons, to be divided into companies, as the number of engines and other fire apparatus of the city shall from time to time require; the Chief Engineer shall be appointed by the Mayor and Aldermen in the month of March or April, or whenever a vacancy occurs, and he shall enter upon the discharge of the duties of said office on the first day of May of the year in which appointed, if appointed for a full term prior to May of any year, and he shall hold said office for the term of three years from said first day of May or until he is removed; and if appointed after the first

day of May of any year, he shall enter upon the discharge of the duties of said office forthwith, and shall continue therein until the expiration of the full term as existing at the time of his said appointment, or until removed. The First Assistant Engineer shall be appointed by the Mayor and Aldermen in the month of March or April, and whenever a vacancy occurs, and he shall enter upon the discharge of the duties of his office on the first day of May of the year in which appointed, if appointed for a full term prior to May of any year, and he shall hold said office for a term of three years from said first day of May and until his successor is appointed or he is removed; and if appointed after the first day of May in any year, he shall enter upon the duties of said office forthwith, and shall continue therein until the expiration of the full term as existing at the time of his said appointment, or until he is removed; and the appointment of said other assistant engineers shall be made by the Mayor and Aldermen in the month of March or April annually, and whenever a vacancy occurs, and they shall hold their respective offices for the term of one year from the first day of May succeeding their appointment, or until others are chosen; all other members of the Fire Department shall be nominated by the Board of Engineers, and their names sent to the Mayor and Aldermen, and when by them appointed they shall be members of the Fire Department; provided, that vacancies may be filled at any time, and that the Mayor and Aldermen, may at any time remove any and all of said officers or members; except that the Chief Engineer and First Assistant Engineer shall not be removed without a hearing and cause shown thereat. No person shall be appointed a member of the Fire Department who does not sustain a good moral character and who is not a citizen of the City of Lowell.

Sect. 2. This ordinance shall take effect upon its passage. [Approved Nov. 27, 1896.]

AN ORDINANCE IN RELATION TO AN ORDINANCE ON OPENINGS AND
EXCAVATIONS IN STREETS AND IMPOSING A PENALTY.

(See Ord. 1898.)

Be it ordained, etc., as follows:

Section 1. No person, firm or corporation shall dig up, make any excavation in, or in any manner change or interfere with the surface or grade of any street for the purpose of laying water, gas or sewer pipes or railway tracks, or for any other purpose, without first giving notice to the Superintendent of Streets, which notice shall state specifically the time when work will be commenced and the probable time within which it shall be completed.

Sect. 2. When any opening or excavation shall be made in any street in pursuance of Section 1, the Superintendent of Streets, by himself or by a servant or agent appointed by him for that purpose, shall see that the surface of such street is left in good order and condition for public travel thereon. The expense for labor and material used in closing and covering such excavation shall in all cases be borne by the party causing the same to be made.

Sect. 3. Said superintendent shall, when about to build a new sewer or repair an old one, notify all the abutters on that part of the line of said sewer when he proposes to do work, so that said abutters may enter said sewer. He shall notify all abutters, when about to construct a new street, at least four weeks before beginning work, and when about to make a new surface of any street, at least two weeks before beginning work, shall notify the Superintendent of Lamps and Water Board and all persons authorized to place any obstructions in such street, and shall require and see that all said departments or persons having any work to be done in the street so designated, shall do all such work before the surface of such street is again prepared for and opened to public travel, and after the completion of the work then done in such street, shall not permit any department or person who shall have been so notified, for the space of two years, to again disturb the surface of such street or way within the area of such previous disturbance, except in case of obvious necessity, to be verified in writing to, and approved by the Mayor, and except in cases of tracks or leaks in pipes, sewers or wires.

Sect. 4. Any person, firm or corporation who shall dig up, make any excavations, or in any way change or alter the grade or surface of any accepted street, without giving the notice mentioned in Section 1 of this ordinance, shall be punished by a fine not exceeding twenty dollars.

Sect. 5. All ordinances and parts of ordinances, resolutions or orders of the City Council inconsistent herewith, are hereby repealed. [Approved November 27, 1896.]

AN ORDINANCE AMENDING SECTION FIFTEEN, CHAPTER THIRTY-NINE OF THE REVISED ORDINANCES OF THE YEAR EIGHTEEN HUNDRED AND NINETY-FOUR.

Be it ordained, etc., as follows:

That Section 15, Chapter 39, of the Revised Ordinances of the year 1894, be, and is hereby amended by striking out of the seventh line the word "forty-third," and inserting in place thereof the word "forty-fifth." [Approved July 21, 1897.]

AN ORDINANCE REGULATING HAWKERS AND PEDDLERS.

Be it ordained, etc., as follows:

Section 1. No person shall hawk or peddle, sell or expose for sale within said city any of the articles enumerated in Section 1 of Chapter 68* of the Public Statutes, until he has been duly licensed by and has recorded his name and residence with the Board of Police of the City of Lowell, and has been assigned a number by said board, to be worn in such manner as such board may prescribe. Provided, however, that the foregoing provisions shall not apply to any other person than the one named in the license.

Sect. 2. No person hawking, peddling or selling, or exposing for sale any of the articles enumerated in Section 1 of Chapter 68* of the Public Statutes, shall cry his wares to the disturbance of the peace and comfort of the inhabitants of the city.

Sect. 3. No hawker or peddler shall carry or convey any of the articles enumerated in Chapter 68* of the Public Statutes in any manner that will tend to injure the public health, or disturb the public peace or comfort, nor otherwise than in vehicles and receptacles which have printed on them in letters and figures at least two inches in height the name of the person selling and the number given him by the Board of Police.

Sect. 4. Whoever violates any of the provisions of the preceding sections of this ordinance shall be liable to a penalty of not more than twenty dollars for each offence. [Approved July 29, 1897.]

AN ORDINANCE TO AMEND SECTION EIGHTEEN OF CHAPTER SIX OF THE CITY ORDINANCES RELATING TO THE HITCHING OF HORSES TO LAMP POSTS.

Be it ordained, etc., as follows:

Section 18 of Chapter 6 of the City Ordinances is hereby amended by striking out all after the word "any" in the third line thereof and inserting instead thereof the words "lamp posts maintained by the city," so that said section as amended shall read as follows:

Sect. 18. No owner, driver or other person having the care or ordering of a vehicle shall hitch or fasten the horse or horses attached thereto to any lamp post maintained by the city. [Approved January 1, 1898.]

*Now Chap. 65, Sect. 15, 16, Revised Laws.

AN ORDINANCE AUTHORIZING THE CITY TREASURER TO PRESCRIBE THE SYSTEM OF BOOKKEEPING FOR CERTAIN DEPARTMENTS AND OFFICERS RECEIVING MONEY BELONGING TO THE CITY AND PROVIDING FOR MORE FREQUENT RETURNS OF SUCH MONEY TO THE CITY TREASURY.

Be it ordained, etc., as follows:

Section 1. All departments and officers of the City Government except the City Treasurer, whose official duty requires the receipt of money belonging to the city, shall keep such books and records relating to the same as shall be prescribed by the City Treasurer.

Sect. 2. The heads of each department and officers receiving money for the city shall remit to the Treasurer as often as once in each month any balance that may be in the possession of such department or officer belonging to the city, except in case when the time for such payment into the city treasury is prescribed by statute.

Sect. 3. The Joint Committee on Accounts shall annually in connection with the annual examination of the accounts of the City Treasurer, examine, investigate and audit the books and accounts of all departments and officers receiving money for the city, and said committee shall make report of such examination to the City Council.

Sect. 4. All heads of departments and officers whose official duty requires the rendering of bills to individuals, cities or towns for charges of any nature, shall hereafter deliver all such bills to the City Treasurer for collection through his office.

Sect. 5. Section 9 of Chapter 1 of the Revised Ordinances and all ordinances and parts of ordinances inconsistent herewith are hereby repealed. [Approved January 1, 1898.

AN ORDINANCE PROVIDING FOR ESTIMATES FOR APPROPRIATIONS AND FOR OTHER PURPOSES.

Be it ordained, etc., as follows:

Section 1. At the beginning of each municipal year and not later than the third Tuesday in January the mayor shall make and transmit to the City Council an estimate of the expenditures required for the year. Such estimate shall be framed and itemized so as to show separately:

Par. 2. The amounts required by each department, office, board, commission or other sub-division of the executive branch of the government, and so far as may be practicable for the sub-division of the work of each department.

Par. 3. The salary or compensation of each officer, deputy, assistant, clerk, or employee of the city not classed as a laborer. The amounts

required for labor shall, when practicable, be stated separately from those for materials and supplies.

Par. 4. Such estimates shall be in such form as to show in parallel columns, opposite each item, the amount paid for the previous year, and the amount unexpended at the close of such year.

Sect. 2. The Mayor shall make, or cause to be made, and shall transmit to the City Council with the estimate required by the preceding section:

Par. 2. An itemized estimate of the revenues of the year from all sources except taxation of real and personal property and polls.

Par. 3. A statement of the balance unpaid at the close of the previous year on account of temporary loans, and the amount due by financial years, as unpaid taxes on real and personal property and polls.

Par. 4. An itemized statement of the debt, with interest becoming due during the year, and the margin available for loans within the debt limit for the year.

Par. 5. An itemized statement of all orders, etc., of the City Council involving expenditures which have not been appropriated for. In all cases the finances of the water service shall be shown separately.

Sect. 3. All regular annual appropriations shall be for and only applicable to the liabilities incurred during the year in which they are made, any form of phraseology in the order, resolution or vote providing for the same, to the contrary notwithstanding.

Par. 2. It shall be the duty of the Auditor to close all regular annual appropriation accounts with the last secular day in December of the year for which the appropriations are made, and to credit the general treasury fund account or accounts with the water service, as the case may be, with the balance to the credit of such appropriations; and thereafter no payment shall be made under such appropriations. He shall promptly report to the City Council the amount of each balance thus credited, and amount available in the general treasury fund, and the account with the water service, for the expenditures of the current year not otherwise appropriated.

Par. 3. All claims, accounts and bills against the City of Lowell under such appropriations remaining unpaid at such date, shall be numbered consecutively, and be entered by the Auditor in such order, in a permanent book of record, to be known as the register of claims, so as to show the name of the claimant, the amount claimed and allowed, the nature of the service and the action had thereon. The Auditor shall transmit to the City Council, on or before the first regular meeting night in February, of either branch of the City Council, a schedule of such claims with a condensed statement of the nature of each claim, and the action had thereon.

Sect. 4. The several estimates and statements called for by this ordinance shall on their receipt by either branch of the City Council be referred, without other action, to the Joint Committee on Appropriations.

Par. 2. The Committee on Appropriations shall consist of the Chairman and two additional members of the Board of Aldermen and the President and three additional members of the Common Council.

Par. 3. "Said committee shall meet monthly and examine all monthly financial reports. Suggestions pertaining to the improvement of any department may be transmitted to the City Council whenever deemed advisable." (Amendment 1906.)

Section 6 of Chapter 1 of the Ordinances of the City of Lowell is hereby repealed.

Par. 3. Said committee shall have access to all or any of the records and official papers of the city, shall have power to require from any officer or employee of the city such additional statement or statements relating to the expenditures and revenues of the city as it may deem essential, and to summon any officer or employee of the city to be present at any designated meeting of said committee; and to remain in attendance until discharged by the committee; and any officer or employee who shall fail or refuse to comply with such request, order or summons, may be reported to the City Council or either branch thereof, for such action as it may have the power to take and see fit to exercise.

Sect. 5. The Committee on appropriations shall make a final report in print, not exceeding two hundred copies, to the City Council or either branch thereof, on or before the fifteenth day of February of each year unless granted further time by the City Council.

Sect. 6. All ordinances or parts of ordinances conflicting with this ordinance are hereby repealed. [Approved. January 1, 1898.]

AN ORDINANCE PROVIDING FOR THE APPOINTMENT OF AN INSPECTOR OF WIRES AND DEFINING THE DUTIES OF SUCH OFFICER, IN ACCORDANCE WITH CHAPTER FOUR HUNDRED AND FOUR, ACTS OF 1890.*

Be it ordained, etc., as follows:

Section 1. Within thirty days after the passage of this Ordinance, there shall be appointed by the Mayor, subject to confirmation by the Board of Aldermen, an Inspector of Wires for the City of Lowell, who shall enter upon the duties of his office immediately, and shall hold said office, unless sooner removed, until the first day of February, 1901, and prior to the first day of February, 1901, and prior to the first day of February of every third year thereafter, there shall be appointed in like

*Now Chap. 122, Revised Laws.

manner an Inspector of Wires who shall hold his office during a term of three years and until his successor is appointed, unless sooner removed in the manner prescribed by law.

Sect. 2. Said Inspector of Wires shall perform the duties prescribed by Section 3, Chapter 404 of the Acts of 1890,* and such other duties as are or may be hereafter prescribed by the laws of the Commonwealth or the ordinances of the city. He shall annually in the month of January make a report to the City Council of the business of his office for the year ending the thirty-first day of December next preceding. [Approved July 15, 1898.]

AN ORDINANCE RELATING TO THE PERMANENT REPAIRS ON STREETS AND THE PLACING OF UNDERGROUND SERVICES THEREIN; ALSO TO THE NECESSARY REPAIRS OF SAME.

Be it ordained, etc., as follows:

Section 1. That before any street is paved with granite, concrete or other paving, macadamized or otherwise put in permanent repair by the city, the owners of land abutting on such street shall be notified at least four weeks previous to the time when such permanent improvements are to be commenced, that all underground services, whether for sewer, water, gas, electrical or other connections, shall be constructed and placed in said street previous to the date set for the making of said permanent improvements.

Sect. 2. That all corporations or individuals having services laid in said street, or intending or desiring to construct the same, whether for gas, electric, telephone, telegraph, or for any service of whatsoever nature, or who shall desire to renew or repair services already constructed, shall be notified by the posting of a notice at the City Hall of the intention of the city to so repair such street, and by a notice which shall be published for six consecutive days in one morning and one evening newspaper printed in the City of Lowell, the last publication of said notice to be at least three weeks previous to the time stated for making said permanent improvements.

Sect. 3. That when any street has been so paved, macadamized, or otherwise put in permanent repair, it shall not be opened or torn up for the placing of any new underground construction of any nature whatsoever during five years next succeeding the date in said published and posted notices stating the intention of the city to place said street in permanent repair: provided, however, that in case repairs to any service become necessary, the same may be made after a permit has been granted by the Board of Aldermen, and said repairs shall be made under the supervision of the Superintendent of Streets. In case of leakage of gas or

*Now Chap. 122, Revised Laws.

water pipes, the same may be repaired at once by the Gas Company or Water Board, and the surface of the street placed in a condition satisfactory to the Superintendent of Streets.

Sect. 4. Wherever on said street there may be unimproved land, and where no sewer, gas, water or other necessary services have been constructed, the same shall be laid and constructed, to a point at least two feet beyond the outside line of the sidewalk on said street, one each of the services mentioned for gas, water and sewer connections, for each fifty feet of frontage of the said land on said street, or at such distances as may be agreed upon by the owner of said land and the Superintendent of Streets. In case of neglect of the owner or of a corporation or individual to construct the same, said service for sewer, water and gas connections may be constructed by the city, and shall be paid for by the parties to whom rightfully belongs the construction of the same.

Sect. 5. Any violation of the foregoing conditions in regard to the digging up of streets shall be punished by a fine of not less than twenty dollars (\$20).

Sect. 6. All ordinances and parts of ordinances inconsistent herewith are hereby repealed. [Approved August 5, 1898.]

AN ORDINANCE PROVIDING FOR THE APPOINTMENT OF A SUPERINTENDENT AND ASSISTANT SUPERINTENDENT OF STATE AID.

Be it ordained, etc., as follows:

Section 1. Within thirty days after the passage of this ordinance there shall be appointed by the Mayor, subject to confirmation of the Board of Aldermen, a Superintendent of State Aid and an Assistant Superintendent of State Aid for the City of Lowell, who shall enter upon the duties of their offices immediately and shall hold said offices, unless sooner removed, until the first day of February, 1899; and prior to the first day of February, 1899, and prior to the first day of February of every year thereafter, there shall be appointed in like manner a Superintendent of State Aid and an Assistant Superintendent of State Aid, who shall hold their offices during the term of one year and until their successors are appointed, unless sooner removed in the manner prescribed by law.

Sect. 2. Said Superintendent of State Aid shall disburse state aid and city aid under the direction of the Mayor and Board of Aldermen as prescribed by *Chapter 279 of the Acts of 1893, *Chapters 279 and 301 of the Acts of 1894, *Chapter 279 of the Acts of 1896, *Chapter 561 of the Acts of 1898, or any other laws of the Commonwealth, or that may be

*Now Chap. 79, Revised Laws.

hereafter prescribed by the ordinances of the city. He shall annually, in the month of January, make a report to the City Council of the business of his office for the year ending on the thirty-first of December next preceding.

Sect. 3. Said Assistant Superintendent of State Aid shall perform such duties as may be prescribed by the Superintendent of State Aid. [Approved September 27, 1898.]

AN ORDINANCE AMENDING SECTION SIX OF CHAPTER NINE OF THE
REVISED ORDINANCES OF THE CITY OF LOWELL.

Be it ordained, etc., as follows:

That Chapter 9 of the Revised Ordinances of the City of Lowell be amended by striking out Section 6 and substituting therefor the following:

Sect. 6. The City Treasurer shall receive and have the care and custody of all sums of money paid the city by persons for the perpetual care of lots in any of the city cemeteries, and give the vouchers of the city therefor, and money so received shall constitute a special fund to be known as the "Cemetery Fund for the perpetual care of lots." The Treasurer shall not receive a sum of money less than one hundred dollars (\$100.00) for the perpetual care of lots in any of the city cemeteries or public burial grounds. The Treasurer shall notify the Superintendent of the cemetery of all such payments, together with the description of the lots and graves on account of which such payments are made, and annually at such time as the Trustees of Public Burial Grounds request, shall pay over to them four per centum as interest upon all sums so paid to and receipted by him. The Treasurer shall invest the moneys of this fund in securities in which by law the funds of savings banks may be invested, and pay the amount of interest realized thereon into the city treasury. [Approved October 11, 1898.]

AN ORDINANCE ESTABLISHING AN INSPECTION OF WIRES DEPARTMENT
AND GOVERNING THE SAME.

Be it ordained, etc., as follows:

Section 1. An Inspection of Wires Department is hereby established, of which the Inspector of Wires shall be the head.

Sect. 2. The Inspector of Wires shall have supervision of all electric and other wires erected upon, over or under any street, way or building, and of every wire within any building where such wire is designed to

carry an electric current, and shall have authority over, and shall inspect such wires, their condition, attachments, insulation, supports and appliances; he shall require all persons and corporations owning or operating wires to place and arrange all posts, arms, fixtures, insulating supports, attachments and appliances so as to secure safety to life and property, and shall see that the provisions of *Chapter 404 of the Acts of 1890 and all other laws, ordinances and regulations relating to electric and other wires are strictly enforced, and shall give prompt notice to any person or corporation owning or operating any such wire, when in his judgment the same is unsafe, or is not placed, kept and maintained in accordance with the requirements of said chapter or the provisions of any other law, ordinance or regulation.

Sect. 3. Said inspector shall, at least once in each year, inspect all posts supporting electric or other wires upon or over any street or building, and all supports of such wires when attached to buildings, and ascertain if said posts and supports are kept in proper condition and not weakened by decay or other causes; and in case any person or corporation owning, leasing, or operating wires shall neglect or refuse to maintain said supports in proper condition for safety, the inspector shall cause said fixtures and supports to be put in proper condition at the expense of the person or corporation owning or operating the same, after first giving the person or corporation due notice in writing of his intended action.

Sect. 4. It shall be the duty of the inspector to cause to be removed all dead wires of whatever nature, attached to buildings, if, in his judgment, they are in a dangerous condition or liable to become dangerous to life or property, and he shall notify in writing the person or corporation owning, leasing or operating such wires of his desire for the removal of any wire, and give them at least ten days in which to comply with the requirements, except in cases in which, in his judgment, there is immediate liability of injury to person or property from the wire and in all such cases the notice shall require their removal forthwith. In the event of the refusal of any person or corporation to take proper action, the inspector may cause the work to be done and the expense to be charged to the owners.

Sect. 5. No person or corporation shall allow any piece of wire to be left on the surface of any street or sidewalk, or to permit unused fixtures, coils or loose ends of wire to remain attached to any cross-arm or post more than twenty-four hours without special permission.

Sect. 6. Every person or corporation operating electric or other wires over or under any street, way or building in the city, upon request of the inspector shall furnish within fifteen days thereafter accurate lists of the posts, or other supports of their wires, the location of conduits and manholes, with information as to location, where, and what service is

*Now Chap. 122, Revised Laws.

rendered, whether telegraphic, telephonic, power or electric lighting, and in the latter case, whether arc or incandescent current is used.

Sect. 7. The said inspector, upon request, shall also be furnished by any person or corporation operating or owning electric wires with such information as to kind, size and tested strength of supporting or service wires, the maximum volts used, together with such other information as may be necessary to the faithful and effectual discharge of his duties.

Sect. 8. All wires, appliances and apparatus in the interior of public buildings or on private premises which are intended for the transmission of electricity, either for isolated lighting or power, or to be connected with an outside circuit, shall be made, placed and arranged, and at all times kept safe to the satisfaction of the inspector; and said inspector may at all proper and reasonable times have access to such wires and apparatus.

Sect. 9. In no case shall a current of electricity be connected to any system of wiring or apparatus intended to be used for power or lighting, without permission first being obtained and a written permit granted by the Inspector of Wires; the jurisdiction of the inspector is intended to include all public and private electrical systems that are now and may hereafter be installed in the City of Lowell.

This ordinance is not intended to govern or call for the inspection of electric bell systems, private or public telephones inside of public or private buildings, or the interior apparatus or boxes of the fire alarm or police system of the city.

Sect. 10. No person or corporation shall change the position or make additions to any wiring system, or install any new work or electrical apparatus without first notifying the inspector, and he given full opportunity to inspect the same before such work is completed; and when any electric wires designed to carry an electric light or power current are to be concealed, the inspector must be notified before work is commenced, and he shall give his permission and approval for all such work and connections immediately, unless in his judgment such apparatus or wiring endangers life or property or is not in accordance with the laws and ordinances, or in conformity with the established insurance rules.

Sect. 11. The inspector shall require that the established rules and regulations of the National Board of Fire Underwriters shall be complied with, both for outside and interior construction.

Sect. 12. It shall be the duty of the Inspector of Wires to carry out any order of the Mayor and Board of Aldermen on any matters referred to him by them, coming under the laws or ordinances, and all questions of right and authority shall be determined by the Mayor and Board of Aldermen upon any appeal or refusal of any person or corporation to comply with the requirements of the inspector and the laws and ordinances.

Sect. 13. The Inspector of Wires shall keep a record of all inspections and permits in a book provided for the purpose and this book shall be open to inspection (at all reasonable times) by any interested parties.

The inspector shall make monthly reports of his doings to the Mayor and Board of Aldermen, and an annual report to the City Council.

Sect. 14. Whoever violates or fails to comply with any of the provisions of this ordinance after being duly notified in writing by the inspector shall forfeit and pay for each offence not less than ten or more than twenty dollars.

Sect. 15. The Inspector of Wires shall be on duty eight hours per day, from 9 A. M. till 5 P. M. each regular working day, and at such other times as cases of emergency may require, and shall receive such compensation as may be determined by the City Council. Said inspector shall devote his whole time to the service of the city, and shall engage in no other business or calling. [Approved July 26, 1899.]

AN ORDINANCE PROHIBITING HEAVY TEAMING AND TRUCKING UPON THE
SPEEDWAY PORTION OF THE PAWTUCKET BOULEVARD.

Be it ordained, etc., as follows:

Section 1. The driving or drawing of heavy wagons, carts, trucks or similar vehicles used for the purposes of transportation of stone, lumber coal, ice, express packages, groceries, or other merchandise requiring for the transportation of the same a vehicle exceeding in weight a family carriage, buggy, carry-all or similar vehicle used principally for pleasure driving or recreation is hereby prohibited upon that portion of Pawtucket Boulevard commonly called the Speedway: provided, however, that this prohibition shall not apply to any vehicle used for the purpose of transporting any article or material necessary for the improvement or repair of said speedway or of any portion of said boulevard, or of the structures connected with the water plant in said boulevard.

Sect. 2. Any person who shall violate any provision of Section 1 of this ordinance shall be punished by a fine not exceeding twenty dollars for each offence. [Approved July 31, 1900.]

AN ORDINANCE ESTABLISHING THE OFFICE OF CLERK OF COMMITTEES.

Be it ordained, etc., as follows:

Section 1. There shall be a Clerk of Committees, to be chosen by concurrent vote of both branches of the City Council as soon as may be

after the enactment of this ordinance, who shall enter upon the duties of his office immediately after his election, and hold the same for a period of three years from and after January 1, 1901, and until his successor is elected and qualified. Thereafter the City Council shall, in the month of January following the expiration of each three-year term, choose a Clerk of Committees who shall hold office for three years. Such Clerk of Committees shall receive such compensation as the City Council shall determine.

Sect. 2. He shall make a proper record in books kept for the purpose, of all proceedings and transactions, and keep a calendar of all meetings of the committees of which he is clerk. He shall perform such other duties and services, in making estimates and computations, drawing orders and reports, and rendering assistance, as such committees shall require.

Sect. 3. On the request of the chairman of any committee, the said Clerk of Committees shall authorize the City Messenger to notify all committee members of the time and place of meeting.

Sect. 4. This ordinance shall take effect upon its passage. [Passed December 18, 1900.]

AN ORDINANCE RELATING TO ADVERTISING BILLS AND POSTERS.

Be it ordained, etc., as follows:

Section 1. No person, firm or corporation shall distribute or cause to be distributed in or upon any street, way, common or place within the limits of the City of Lowell, or post or cause to be posted on any billboard, fence, wall or structure, or shown in windows, any card, circular, bill, lithograph, or advertisement whatsoever, containing any cut, photograph, painting or pictorial representation of any kind, for the purpose of advertising or calling attention to any show, circus, play or exhibition, whether given, or to be given, within or without the City of Lowell, without having first submitted the same to the Supt. of Police and obtaining his approval thereof, and of such distributing or posting. And no such card aforesaid, bill or advertisement shall be distributed or posted, as aforesaid, without having attached thereto or printed or pasted thereon, a statement that it has been approved by the Supt. of Police of Lowell, and the date of such approval.

Sect. 2. Whoever violates the provisions of this ordinance, shall, on conviction thereof, be punished by a fine not exceeding twenty dollars for each offence.

Sect. 3. This ordinance shall take effect upon its passage. [Approved December 27, 1901.]

(Amended, ordinance 1902.)

AN ORDINANCE RELATING TO THE APPROVAL OF BILLS AND CLAIMS PAYABLE
FROM THE APPROPRIATION FOR INCIDENTALS.

Be it ordained, etc., as follows:

Section 1. Every bill and claim against the city which, if correct, would be chargeable to the Appropriation for Incidentals, shall, before being passed by the Committee on Accounts, be submitted to the Mayor, who shall examine the same and endorse thereon a statement that he does or does not object to the payment of the same or any of the items thereof. He shall then return such bill or claim to the City Auditor or the Committee on Accounts, and if he objects to the payment of said bill or claim, in whole or in part, he shall submit to said auditor or to said committee with said bill when so returned, a specific statement in writing signed by him of his objections thereto and his reasons for such objection. [Approved December 27, 1901.]

AN ORDINANCE AMENDING AN ORDINANCE ENTITLED "RELATING TO
ADVERTISING BILLS AND POSTERS."

Be it ordained, etc., as follows.

That the Ordinance entitled "Relating to advertising bills and posters," passed by the City Council and approved by the Mayor December 27, 1901, be and is hereby amended by striking out all after the enacting clause and inserting in place thereof, the following:—

Section 1. No person, firm or corporation shall distribute, or cause to be distributed in or upon any street, way, common or place within the limits of the City of Lowell, or post or cause to be posted on any billboard, fence, wall or structure, or shown in windows, any card, photograph, painting and pictorial representation of any kind for the purpose of advertising or calling attention to any burlesque show, whether given or to be given within or without the limits of the City of Lowell; nor shall any person, firm or corporation distribute or cause to be distributed within the limits of the City of Lowell any pamphlet or circular containing advertisements therein or aphrodisiac cures, without having first submitted the same to the Superintendent of Police and obtaining his approval of such posting and distributing. And no such card, bill pamphlet, circular or advertisement aforesaid shall be posted or distributed without having attached thereto, or printed or pasted thereon, a statement that it has been approved by the Superintendent of Police of the City of Lowell, and the date of such approval.

Sect. 2. No person, firm or corporation shall throw, deposit, drop or leave, nor cause to be thrown, deposited, dropped or left in any high-

way or upon the doorsteps or within the hallway of any dwelling house within the limits of the City of Lowell, any sample of medicinal or toxic substance, either in package or bulk and shall leave such sample of medicinal or toxic substance in a dwelling house only with the consent and approval and in the possession of an adult occupant.

Sect. 3. Whoever violates the provisions of this ordinance shall, on conviction thereof, be punished by a fine not exceeding twenty dollars for each offence.

Sect. 4. This ordinance shall take effect upon its passage. [Approved 1902.]

AN ORDINANCE REGULATING THE OPERATION OF MOTOR CYCLES IN THE CITY OF LOWELL.

Be it ordained, etc., as follows:

Section 1. No motor cycle shall be ridden upon the streets, avenues, boulevard, parks or commons of the City of Lowell, unless the motor of such cycle shall be fully covered and provided with mufflers designed expressly to deaden the noise of a motor cycle.

Sect. 2. Any person who violates the provisions of the preceding section, shall be punished by a fine not exceeding ten dollars for each offence.

Sect. 3. This ordinance shall take effect upon its passage. [Approved 1902.]

AN ORDINANCE OFFICIALLY DESIGNATING CITY INSTITUTION BUILDINGS IN CHELMSFORD STREET AS THE LOWELL CITY HOSPITAL AND ALMSHOUSE.

Be it ordained, etc., as follows:

That the City Institution buildings located in Chelmsford Street be designated and hereafter known as the Lowell City Hospital and Alms-house.

This ordinance shall take effect upon its passage. [Approved April 10, 1903.]

AN ORDINANCE AMENDING SECTIONS 12 AND 16 OF CHAPTER 39 OF THE REVISED ORDINANCES.

Be it ordained, etc., as follows:

That Section 12 of Chapter 39 of the Revised Ordinances be amended by striking out the words "board of aldermen" in the fifth and sixth

lines of said section, and inserting instead thereof the words "Superintendent of Streets;" and that Section 16 of said chapter be amended by striking out the words "Superintendent of Streets," and by striking out the word "they" in the fourth line and inserting instead thereof the words "board of aldermen;" so that said section shall read as follows:

Sect. 12. No person shall break or dig up the ground in any street, townway, highway, or common and public passageway, in the city, nor erect any staging for building thereon, or pile or deposit thereon any earth, bricks, lumber or other building material, without a written license from the Superintendent of Streets, and without faithfully complying with the conditions of such license.

Sect. 16. In all cases in which license may be given by the Superintendent of Streets to obstruct any highway, street, townway or passageway as described in the twelfth section of this chapter, the Board of Aldermen may impose such reasonable conditions and limitations with regard to the erection of barricades, the maintaining of lights and the taking of other precautions for the security of travellers and passengers as they may consider necessary.

This ordinance shall take effect upon its passage. [Approved October 9, 1903.]

AN ORDINANCE AUTHORIZING THE SUPERINTENDENT OF POLICE TO PARTITION OFF STREETS, WAYS OR SIDEWALKS FOR THE PROTECTION OF THE PUBLIC.

Be it ordained, etc., as follows:

Section 1. For the protection and safety of the public, the Superintendent of Police is authorized to partition off with rope, wire or other material, any portion or portions of any street, way or sidewalk within the limits of the City of Lowell on the occasion of any public observance celebration or procession, or upon any other occasion when, in the opinion of the said Superintendent of Police, it becomes necessary.

Sect. 2. This ordinance shall take effect upon its passage. [Approved October 9, 1903.]

AN ORDINANCE TO PROVIDE FOR THE ELECTION OF A CITY PHYSICIAN AND DEFINING HIS DUTIES.

Be it ordained, etc., as follows:

Section 1. There shall be a City Physician, to be chosen by concurrent vote of both branches of the City Council as soon as may be after the enactment of this ordinance, who shall enter upon the duties of his

office upon December 1, 1905, and hold the same, unless sooner removed therefrom in the manner provided by law, for a period of three years from and after said December 1, 1905, and until his successor is elected and qualified. Thereafter the City Council shall, in the month of October or November immediately preceding the expiration of each three-year term, choose a City Physician who shall hold office for three years from the first day of December following and until his successor is chosen and qualified, unless sooner removed therefrom in the manner provided by law. Whenever a vacancy occurs the City Council shall choose a City Physician who shall fill the remainder of the unexpired term, unless sooner removed in the manner provided by law.

Sect. 2. It shall be the duty of the City Physician to attend upon all patients under the care of the city authorities at the City Farm or Police Station; to make a report annually in April to the City Council covering the services rendered by him during the previous year. In case of an alarm by an infectious or contagious disease to give to either branch of the City Council or any committee thereof all such professional advice and counsel as they may request of him, and generally to perform such other professional services as may be reasonably required of him by the Mayor or the City Council, or the Superintendent of the City Farm.

Sect. 3. The ordinance approved June 27, 1900, entitled "An Ordinance to provide for the election of a City Physician and defining his duties" is hereby repealed, said repeal to take effect December 1, 1905.

Sect. 4. This ordinance shall take effect upon its passage. [Approved December 9, 1905.]

AN ORDINANCE TO CREATE A COMMISSION TO ACQUIRE A SITE AND TO RE-BUILD HUNTINGTON HALL.

Be it ordained, etc., as follows:

Section 1. There shall be chosen in the manner hereinafter provided, four citizens of Lowell who shall hold no other municipal office, who, together with the mayor for the time being, ex-officio, shall constitute a commission to be known as the Huntington Hall Commission. The members of said commission shall not receive any salary or emolument for their services, and shall, unless sooner removed in the manner provided by law, hold their respective offices until the completion of the building hereinafter mentioned, and upon the declaration by the mayor in writing filed with the city clerk that the work contemplated by this ordinance has been fully completed, the authority of said commission shall cease and determine.

Sect. 2. Within thirty (30) days after the enactment of this ordinance, the Board of Aldermen and the Common Council shall meet in

joint convention and elect four persons as above specified to be members of said commission. If any member so elected shall decline to serve, or if by the death, resignation or removal from office of any member of said commission a vacancy shall exist, the City Council shall, in joint convention, elect a new member to fill such vacancy.

Sect. 3. Said commission shall have the general charge and management of all matters pertaining to the erection of a new public hall to take the place of Huntington Hall recently destroyed by fire; shall select and purchase or otherwise acquire a site therefor, and shall do, or cause to be done, all things necessary for the erection of a suitable and commodious public hall with such appurtenances and furnishings as they may deem proper. They shall make all contracts in relation thereto, except for the purchase of material and supplies, but no contract so made involving the expenditure of more than three hundred dollars (\$300) shall be valid and binding upon the city until approved by the mayor in writing; and no expenditure shall be made by said commission under the authority of this ordinance until the city council has duly voted an appropriation therefor.

Sect. 4. The chairman of the Board of Aldermen and the president of the Common Council shall constitute a committee to submit to said joint convention a list of four names as nominees for commissioners; such names shall be voted on separately, and in case of failure to elect any one or more of the persons so named, new names shall be submitted by said committee until four persons shall have been elected, who, together with the mayor, shall constitute such commission. [Approved May 15, 1906.]

AN ORDINANCE REQUIRING THE ASSESSORS OF TAXES TO PUBLISH CERTAIN INFORMATION.

Be it ordained, etc., as follows:

Section 1. Beginning March 1, 1907, and every two years thereafter, the Assessors of Taxes of the City of Lowell, shall cause to be printed at the expense of their department for general distribution ten thousand (10,000) copies of a list which shall contain the following information properly arranged: Names of all real and personal estate taxpayers in the City of Lowell; location of real estate; valuation of land per foot; buildings and personal property, and total tax assessed. [Approved December 15, 1906.]

AN ORDINANCE AMENDING AN ORDINANCE ENTITLED, "TO PROVIDE FOR THE CREATION AND ORGANIZATION OF THE BUILDINGS DEPARTMENT AND TO REGULATE THE CONSTRUCTION, ALTERATION, MAINTENANCE, REPAIR AND REMOVAL OF BUILDINGS WITHIN THE CITY OF LOWELL."

Be it ordained, etc., as follows:

That the ordinance entitled, "To provide for the creation and organization of the Buildings Department and to regulate the construction, alteration, maintenance, repair and removal of buildings within the City of Lowell," be and the same is hereby amended as follows:

By adding at the end of Section 34 the following: "Buildings devoted to manufacturing purposes and equipped with automatic sprinklers shall be exempt from the provisions of this section."

By adding after the fourth paragraph of Section 51 the following: "Stairways in buildings devoted to manufacturing purposes and equipped with automatic sprinklers shall be constructed in accordance with the requirements of state authorities." [Approved December 15, 1906.]

AN ORDINANCE AMENDING AN ORDINANCE ENTITLED, "PROVIDING FOR ESTIMATES FOR APPROPRIATIONS AND FOR OTHER PURPOSES."

Be it ordained, etc., as follows:

That the ordinance entitled, "Providing for estimates for appropriations and for other purposes," be amended by adding after paragraph 2 of section 4 the following:

Paragraph 3. Said committee shall meet monthly and examine all monthly financial reports. Suggestions pertaining to the improvement of any department may be transmitted to the City Council whenever deemed advisable. [Approved December 15, 1906.]

AN ORDINANCE AMENDING AN ORDINANCE ENTITLED "TO PROVIDE FOR THE CREATION AND ORGANIZATION OF THE BUILDINGS DEPARTMENT AND TO REGULATE THE CONSTRUCTION, ALTERATION, MAINTENANCE, REPAIR AND REMOVAL OF BUILDINGS WITHIN THE CITY OF LOWELL."

Be it ordained, etc., as follows:

That the ordinance entitled, "To provide for the creation and organization of the Buildings Department and to regulate the construction

alteration, maintenance, repair and removal of buildings within the City of Lowell be and the same is hereby amended as follows:

By striking out in Section 74 all after the first paragraph and inserting in place thereof the following:

SYSTEM OF GAS PIPING. In all systems of gas piping hereafter constructed in any building in the City of Lowell, the size of pipes shall not be less, and the length of pipes shall not be greater, in respect to the number of openings to be used thereon, than those specified in the following table:

Size of Pipe	Greatest Length Allowed	Greatest Number of Openings
$\frac{3}{8}$ inch	20 feet	4
$\frac{1}{2}$ "	30 "	12
$\frac{3}{4}$ "	70 "	30
1 "	100 "	60
$1\frac{1}{4}$ "	150 "	85
$1\frac{1}{2}$ "	200 "	135
2 "	300 "	250
$2\frac{1}{2}$ "	400 "	375
3 "	550 "	600
4 "	750 "	1000

A gas stove shall be considered the same as six openings and $\frac{1}{2}$ inch pipe shall be used.

No $\frac{1}{4}$ inch pipe shall be used unless exposed and for not more than one or two burners.

PIPES SHALL NOT BE COVERED BEFORE INSPECTED. The pipe used shall be of the best quality and fittings must be malleable iron or brass. All pipes shall be suitably supported and stayed with pipe hooks, straps and screws. All pipe must be run at least level, and joists notched not more than twelve (12) inches from bearings. All pipes must be run on top of joists and only in case where it is impossible to run otherwise should pipes be run on strip furring. All split pipes must be removed. Pipes must be free from traps, and no drips will be allowed except where absolutely necessary. No cement shall be used in the pipes or fittings, and pipes shall not be painted or covered before inspection is made. When outlets are not in close proximity to studding or joist, a notched wooden cross piece must be fastened to secure the same. All drops or outlets must not be less than $\frac{3}{8}$ inch. All main risers shall be run in inside partition or exposed. Riser pipe or main outlet from meter must not be less than $\frac{3}{4}$ inch. In blocks or store buildings, each apartment or store must be provided with a separate riser. Each gas meter shall be located subject to the approval of the Inspector of Buildings. Service pipes shall be run inside of the building. Both connections with meter

shall be made by the Gas Company. All pipes must be tested at five (5) pounds pressure in the presence of the Inspector and must be approved by him.

MUST BE APPROVED BY THE INSPECTOR. No extension or alteration of any existing system of gas piping in any building shall be made without the inspection and approval of the Inspector of Buildings, or in cases where more than forty (40) feet of exposed gas piping and more than three outlets are put in, or six feet of concealed piping with one opening. In case of small jobs, notice of such work must be sent to the Inspector of Buildings, giving an outline of the work to be done, location and owner's name.

In first, second and third class buildings and buildings of six or more tenements each supply pipe leading from street mains shall be provided with a stop cock placed in the sidewalk at or near the curb, and so arranged as to allow of shutting off at that point by means of a suitable wrench. [Approved December 12, 1907.]

AN ORDINANCE TO PROVIDE FOR PENSIONING FIREMEN.

Be it ordained by the City Council of the City of Lowell, as follows:

Section 1. The Board of Engineers of the Fire Department, subject to the conditions hereinafter stated, may retire on pension any member of the fire department who, by reason of permanent disability incurred while in the performance of his duty as fireman, call-fireman or substitute call-fireman is no longer able to perform active service as a fireman.

Sect. 2. The city physician shall examine every person recommended by said Board of Engineers for a pension, and shall then, and annually thereafter, furnish to said Board of Engineers a written statement of the physical condition of the person recommended, so far as it shows his permanent inability to perform active service as a fireman, call fireman or substitute call-fireman.

Sect. 3. A pension granted to a chief engineer shall not be less than one half the salary received by him at the time the disability was incurred.

A pension granted an assistant engineer shall be one half the salary received by the first assistant engineer at the time the disability was incurred.

A pension granted any other member of the fire department shall be one half the salary of a permanent man at the time the disability was incurred.

Sect. 4. This ordinance shall take effect upon its passage. [Approved December 14, 1907.]

AN ORDINANCE RELATING TO THE SEALER OF WEIGHTS AND MEASURES.

Be it ordained by the City Council of the City of Lowell, as follows:

Section 1. The Sealer of Weights and Measures shall be the head of the Department of Weights and Measures. He may employ necessary laborers and assistants.

Sect. 2. The Sealer of Weights and Measures shall be appointed by the Mayor and Aldermen annually in the month of March, and shall hold his office for the term of one year from the first day of April in the year of his appointment, and until his successor is duly appointed and qualified. The Mayor and Aldermen may at any time remove such Sealer and appoint another in his place.

Sect. 3. For the year beginning the first day of April, 1908, the Sealer of Weights and Measures shall receive, as full compensation for his services, a salary of twelve hundred dollars (\$1200.00), any order, resolution or ordinance to the contrary notwithstanding. He shall collect the fees and charges which by law he is allowed to receive, and shall pay over to the City Treasurer each month all sums so received by him; and he shall devote his entire time to the business of his department. His salary, after the year beginning April 1, 1908, shall have expired, shall be fixed in the manner provided in Section 13 of Chapter 1 of the Revised Ordinances and ordinances in amendment thereof and addition thereto.

Sect. 4. The Sealer of Weights and Measures shall annually, during the month of November, make a report of the weights, measures and balances tested, sealed or condemned by him, together with an inventory of the standards and working apparatus in the possession of the City, to the State Commissioner of Weights and Measures, and he shall transmit a copy of said report to the City Council, together with an account of all sums received by him and paid over to the City Treasurer.

Sect. 5. All ordinances and parts of ordinances inconsistent herewith are hereby repealed. [Approved March 5, 1908.]

AN ORDINANCE RELATING TO THE ASSESSMENT OF TAXES IN THE CITY OF LOWELL.

Be it ordained, etc., as follows:

Chapter 3 of the Revised Ordinances of 1894 is hereby amended by striking out all after Section 1 of said Chapter, and substituting in place thereof the following:

Sect. 2. The Board of Assessors shall annually, in the month of January, or as soon as practicable thereafter, organize, by choosing one

of their number to act as Chairman; said Chairman shall not receive extra compensation, and all members of the Board shall devote their whole time to the service of the City.

Sect. 3. It shall be the duty of the Assessors of Taxes to complete their assessment and place the list of taxes in the hands of the Collector of Taxes on or before the first day of September, annually; and they shall, on or before the first day of September, annually, indicate on said list the residence of the several tax-payers for that year.

Sect. 4. When any tax shall be abated in whole or in part by the Assessors of Taxes, they shall make a record thereof in a book to be kept by them for that purpose, which record shall contain the names of all persons whose taxes may be so abated, and the reasons for such abatements; and they shall also annually, in the month of January, make out and transmit to the City Council a full report of the work of their Board, said report to show the total valuation of the City, amount of real estate, amount of personal estate, total corporation valuation in detail, total valuation in bank stock, street watering and moth assessments, number of polls, and such other items as may be of interest to the public. Said figures to be in a column parallel to a column containing the figures of the preceding year.

Sect. 5. The Assessors shall, annually, on the thirty-first day of December, report to the Auditor all abatements of taxes made by them during the year ending on said day, distinguishing the abatements made on the different years' taxes, and whether abated before or after collection.

Sect. 6. The Assessors shall have full power to employ temporary assistant assessors, the number not to exceed twelve (12), for the purpose of obtaining the lists of polls and incidental personal property, the total expenditure not to exceed nine hundred and fifty dollars (\$950.00) in any one year. Permanent clerks, not to exceed two, one to be known as Chief Clerk, may be employed the whole year at such compensation as the Board may determine. The Assessors shall have full power to hire as many temporary clerks as may be necessary to assist them in the performance of their duties, the compensation of said clerks not to exceed two dollars and fifty cents (\$2.50) per day.

Sect. 7. This Ordinance shall take effect upon its passage. [Approved April 23, 1908.]

Population, Legal Voters, Etc., by Wards

Wards	Census 1905	Precincts	REGISTERED VOTERS									VOTE FOR	
			Dec., 1906			Nov., 1907			Dec., 1907			MAYOR	
			City Election			State Election			City Election			1907	
			Males	Females	Total	Males	Females	Total	Males	Females	Total	Carmichael	Farnham
1		1 2 3	595 619 497	5 34 38	600 653 535	471 589 475	3 29 38	474 618 513	515 617 487	3 29 38	518 646 525	193 190 100	238 359 319
	9295		1711	77	1788	1535	70	1605	1619	70	1689	483	916
2		1 2 3	596 594 557	19 25 11	615 619 568	491 529 531	17 21 11	508 550 542	536 550 553	17 21 11	553 571 564	305 408 376	153 89 119
	13672		1747	55	1802	1551	49	1600	1639	49	1688	1089	361
3		1 2 3	726 663 677	6 3 12	732 666 689	652 622 668	5 3 10	657 625 678	674 639 680	5 3 10	679 642 690	161 131 85	397 407 500
	10083		2066	21	2087	1942	18	1960	1993	18	2011	377	1304
4		1 2 3	564 516 572	3 5 10	567 521 582	485 473 511	3 5 9	488 478 520	515 502 558	3 5 9	518 507 567	301 334 355	136 118 136
	9092		1652	18	1670	1469	17	1486	1575	17	1592	990	390
5		1 2 3	492 481 633	11 — 60	503 481 693	404 424 559	10 0 51	414 424 610	441 450 584	11 0 51	452 450 635	296 344 422	105 65 109
	9802		1606	71	1677	1387	61	1448	1475	62	1537	1062	279
6		1 2 3	674 690 486	35 14 3	709 704 489	610 605 467	33 14 3	643 619 470	622 649 478	33 14 3	655 663 481	238 377 214	280 195 219
	18103		1850	52	1902	1682	50	1732	1749	50	1799	829	694
7		1 2 3	554 569 617	121 84 63	675 653 680	527 538 612	109 84 64	636 622 676	536 550 624	112 85 64	648 635 688	183 286 222	294 205 325
	8395		1740	268	2008	1677	257	1934	1710	261	1971	691	824
8		1 2 3	556 591 649	7 3 3	563 594 652	538 561 602	7 3 5	545 564 607	550 582 627	7 3 5	557 585 632	80 82 190	408 426 330
	8566		1796	13	1809	1701	15	1716	1759	15	1774	352	1164
9		1 2 3	602 554 659	82 54 84	684 608 743	548 557 604	82 51 85	630 608 689	572 575 624	84 63 99	656 638 723	249 141 239	254 359 302
	*9372		1815	220	2035	1709	218	1927	1771	246	2017	629	915
96380			15983	795	16778	14653	755	15408	15290	788	16078	6502	6847

*1,491 annexed from Tewksbury in 1906, included in Ward 9.

POPULATION OF THE CITY OF LOWELL

Year	Population	Year	Population	Year	Population	Year	Population
1828	3,532	1840	20,981	1865	30,990	1890	77,696
1830	6,477	1844	25,163	1866	36,878	1895	84,359
1832	10,254	1846	29,127	1870	40,928	1900	94,969
1833	12,963	1850	33,383	1875	49,688	1905	94,889
1836	17,633	1855	37,554	1880	59,485	1906	* 96,380
1837	18,010	1860	36,827	1885	64,107	.....	.....

*1,491 Annexed from Tewksbury.

CITY OFFICERS

WHEN ELECTED OR APPOINTED

"All officers elected or appointed by the City Council, or either branch thereof, shall hold their offices according to the tenure of the same and until their successors are chosen and qualified, unless otherwise provided for." City Charter, Sec. 17.

AGENT OF THE BOARD OF HEALTH:

Appointed by the Board of Health under civil service rules.

ASSESSORS OF TAXES—Three.

One chosen in the month of January or February by concurrent vote of the City Council for the term of three years. Ordinances, Chapter 3, Sec. 1.

ASSISTANT ASSESSORS—Twelve.

Appointed by the Assessors. Ordinance approved April 23, 1908.

ASSISTANT ENGINEERS OF THE FIRE DEPARTMENT—Four.

Appointed by the Mayor and Aldermen in March or April, the first assistant for a term of three years, the others for one year, commencing May first. Ordinance approved Nov. 27, 1896.

AUDITOR OF ACCOUNTS.

Chosen by concurrent vote of the City Council in January or February, for three years, commencing the first Monday in April. Chap. 373, Acts of 1905.

ASSISTANT CITY CLERK

Appointed by the City Clerk, subject to confirmation by the Board of Aldermen. Ordinances, Chap. 8, Sec. 2.

BOARD OF CHARITIES—Five.

One member appointed annually by the Mayor for the term of five years from Jan. 15. Chap. 337, Acts of 1905.

BOARD OF EXAMINERS OF PLUMBERS—Three.

One member appointed by the Board of Health annually before June 1, for the term of one year. The chairman of the Board of Health and the Inspector of Buildings are members of the Board, ex-officio. Ordinances, Chap. 28, Sec. 6. Revised Laws, Chap. 103, Sec. 3.

BOARD OF HEALTH—Three.

One member appointed by the Mayor and Aldermen in January for the term of three years, commencing the first Monday in February. Revised Laws, Chap. 75. Sec. 9.

BOARD OF PARK COMMISSIONERS—Five.

One member appointed annually by the Mayor with the approval of the City Council for a term of five years from the first Monday in May. Revised Laws, Chap. 28.

BOARD OF POLICE—Three.

One member appointed by the Mayor every two years for the term of six years, commencing the first Monday in June. Chap. 428, Acts of 1894. Chap. 187, Acts of 1895.

CHAIRMAN OF THE BOARD OF ALDERMEN.

Chosen by the Board of Aldermen on the first Monday in January, or as soon thereafter as may be. City Charter, Sec. 12.

CHIEF ENGINEER OF THE FIRE DEPARTMENT.

Chosen by concurrent vote of the City Council in March or April for the term of three years, commencing May first. Chap. 95, Sec. 2, Acts of 1897. Ordinance approved Nov. 27, 1896.

CITY CLERK.

Chosen annually by the City Council in convention, as soon after organization as convenient. City Charter, Sec. 17.

CITY MESSENGER.

Chosen by concurrent vote of the City Council in January for the term of one year, commencing the first Monday in Feb. Ordinances, Chap. 10, Sec. 1.

CITY PHYSICIAN.

Chosen in October or November by concurrent vote of the City Council for three years, commencing December first. Ordinances, 1905.

CITY SOLICITOR.

Chosen by concurrent vote of the City Council in January or February for the term of one year, commencing March first. Ordinances, Chap. 11, Sec. 1.

CITY TREASURER AND COLLECTOR OF TAXES.

Chosen annually by the City Council in convention as soon after organization as convenient, for the term of one year commencing April first. City Charter, Sec. 17, Ordinances, Chap. 9, Sec. 1.

CIVIL ENGINEER FOR THE CITY.

Chosen by concurrent vote of the City Council in January or February for a term of one year, commencing April first. Ordinances, Chap. 13, Sec. 1.

CIVIL SERVICE EXAMINERS—Three.

Appointed by the State Civil Service Commissioners.

CLERK OF COMMITTEES.

Chosen by concurrent vote of the City Council in January for three years. Ordinances, 1900.

CLERK OF COMMON COUNCIL.

Chosen by the Common Council on the first Monday in January, or as soon thereafter as may be. City Charter, Sec. 14.

CLERKS EMPLOYED IN DEPARTMENTS.

Appointed by heads of departments under civil service rules. Chapter 415, Sec. 5, Acts of 1896.

CLERK OF WATER BOARD.

Chosen by the Water Board in June for the term of one year. Ordinances, Chap. 45, Sec. 2.

COMMISSIONERS OF SINKING FUNDS—Three.

One chosen in December by concurrent vote of the City Council for the term of three years, commencing January first. Revised Laws, Chap. 27, Sec. 14.

COMMITTEE ON ACCOUNTS—Three.

On the first Monday in January, or as soon thereafter as may be, one member chosen by the Board of Aldermen from that board, and two members of the Common Council by said Council. Chap. 415, Sec. 10, Acts of 1896.

COMMITTEE ON FINANCE—Five.

On the first Monday in January, or as soon thereafter as may be, one member of the Board of Aldermen, to be elected by that board, and three members of the Common Council, to be elected by said council. The Mayor is a member ex-officio. Ordinances, Chap. 1, Sec. 2.

CONSTABLES—Four or more.

Appointed by the Mayor and Aldermen in January or February for the term of one year. City Charter, Sec. 19, Ord., Chap. 41, Sec. 2.

ELECTION OFFICERS.

Appointed by the Mayor and Aldermen in August, for the term of one year, commencing September fifteenth. Chap. 560, Acts of 1907.

FENCE VIEWERS—Three.

Nominated by the Mayor in January or February and chosen by concurrent vote, commencing in the Board of Aldermen, for the term of one year. Ordinances, Chap. 41, Sec. 1.

FIELD DRIVERS—Four or more.

Nominated by the Mayor in January or February and chosen by concurrent vote of the City Council, commencing in the Board of Aldermen, for the term of one year. Ordinances, Chap. 41, Sec. 1.

FIREMEN.

Appointed by the Chief Engineer on recommendation of the Board of Assistant Engineers, under civil service rules. Chap. 173, Acts of 1898.

FISH WARDEN.

Appointed by the Mayor and Aldermen in January or February for the term of one year. Revised Laws, Chap. 91, Sec. 54.

FOREST WARDEN.

Appointed by the Mayor and Aldermen in March or April, subject to approval of the State Forester. Chap. 475, Acts of 1907.

HEALTH COMMISSIONER.

Nominated by the Mayor in January or February and chosen by concurrent vote of the City Council for the term of one year. Ordinances, Chap. 41, Sec. 1.

INSPECTOR OF ANIMALS.

Appointed by the Mayor and Aldermen in March, subject to the approval of the Chief of Cattle Bureau, for the term of one year, commencing April first. Revised Laws, Chap. 90, Sec. 12. Chap. 116. Acts of 1902.

INSPECTOR OF BALE OR BUNDLE HAY.

Appointed by the Board of Aldermen in January or February for the term of one year. Ordinances, Chap. 21, Sec. 1.

INSPECTOR OF BUILDINGS.

Chosen by the City Council in January for one year. Building Ordinance 1906, Sec. 3.

INSPECTORS OF THE HEALTH DEPARTMENT.

Appointed by the Board of Health under civil service rules.

INSPECTORS OF PETROLEUM OILS.

Appointed by the Mayor and Aldermen, upon request of five or more citizens. Revised Laws, Chap. 102, Sec. 109.

INSPECTOR OF MILK, VINEGAR AND OLEOMARGARINE.

Appointed by the Mayor and Aldermen in January or February for the term of one year. Ordinances, Chap. 41, Sec. 2. Revised Laws, Chap. 56, Sec. 51.

INSPECTORS OF PLUMBING.

Appointed by the Board of Health. Ordinances, Chap. 28, Sec. 8.

INSPECTOR OF PROVISIONS.

Appointed by the Board of Health.

INSPECTORS OF WATER DEPARTMENT.

Appointed by Water Board under civil service rules.

INSPECTOR OF WIRES.

Appointed by the Mayor and Aldermen in January for the term of three years commencing February first. Ordinances, 1898.

LIBRARIAN OF THE CITY LIBRARY.

Chosen by the Trustees of the City Library. Chap. 231, Sec. 5, Acts of 1888.

MAYOR'S CLERK.

Appointed by the Mayor. Chap. 415, Sec. 4, Acts of 1896.

MEASURERS OF GRAIN—Two or More.

Appointed by the Mayor and Aldermen in January or February for the term of one year. Ordinances, Chap. 41, Sec. 2.

MEASURERS OF UPPER LEATHER—Two or more.

Appointed by the Mayor and Aldermen in April, for the term of one year. Ordinances, Chap. 41, Sec. 2.

MEASURERS OF WOOD AND BARK—Two or more.

Appointed by the Mayor and Aldermen in January or February for the term of one year. Ordinances, Chap. 46, Sec. 2.

MEASURERS OF WOOD AND BARK BROUGHT BY WATER OR RAILROAD CARS INTO THE CITY—Two or more.

Appointed by the Mayor and Aldermen in January or February for the term of one year. Ordinances, Chap. 46, Sec. 1.

POLICE OFFICERS.

Appointed by the Board of Police under civil service rules.

POUND KEEPER.

Nominated by the Mayor in January or February and chosen by concurrent vote of the City Council, commencing in the Board of Aldermen, for the term of one year. Ordinances, Chap. 41, Sec. 1.

PRESIDENT OF THE COMMON COUNCIL.

Chosen by the Common Council on the first Monday in January, or as soon thereafter as may be. City Charter, Sec. 14.

REGISTRARS OF VOTERS—Three and the City Clerk.

One member appointed by the Mayor and Aldermen in March or April for the term of three years, commencing May first. The City Clerk is a member ex-officio. Chap. 560, Acts of 1907, Sec. 25.

SEALER OF WEIGHTS AND MEASURES.

Appointed by the Mayor and Aldermen annually in March or April. Revised Laws, Chap. 62, Sec. 18. Ordinances 1908.

SUPERINTENDENT OF CHARITIES.

Appointed by the Board of Charities. Chap. 337, Acts of 1905.

SUPERINTENDENT OF CITY SCALES.

Appointed by the Mayor and Aldermen in January or February for the term of one year. Ordinances, Chap. 21, Sec. 1.

SUPERINTENDENT OF COMMONS.

Appointed by the Board of Park Commissioners.

SUPERINTENDENT OF SCHOOLS.

Chosen by the School Committee in July or August for the term of one year. Ordinances, Chap. 40, Sec. 1.

SUPERINTENDENT OF STATE AID AND ASSISTANT.

Appointed by the Mayor and Aldermen in January for the term of one year, commencing February first. Ordinances approved September 27, 1898.

SUPERINTENDENT OF STREETS.

Chosen by concurrent vote of the City Council in January or February for the term of one year. Ordinances, Chap. 39, Sec. 1.

SUPERINTENDENT OF WATER WORKS.

Chosen by the Water Board in March for the term of one year, commencing April first. Ordinances, Chap. 45, Sec. 2.

SURVEYORS OF HIGHWAYS.

Chosen by concurrent vote of the City Council in January or February for the term of one year. City Charter, Sec. 17, Ordinances, Chap. 39, Sec. 1.

SURVEYORS OF LUMBER—Four or more.

Nominated by the Mayor in January or February and chosen by concurrent vote of the City Council, commencing in the Board of Aldermen, for the term of one year. Ordinances, Chap. 39, Sec. 1.

SURVEYORS OF PLASTERING, BRICK OR STONE WORK AND PAINTING—Four or more.

Appointed by the Mayor and Aldermen in January or February for the term of one year. Ordinances, Chap. 41, Sec. 2.

TRUANT COMMISSIONERS.

Appointed by the School Committee. Revised Laws, Chap. 46, Sec. 12.

TRUSTEES OF THE PUBLIC LIBRARY—Five and the Mayor.

One member appointed in December by the Mayor and Aldermen for the term of five years, commencing the second Monday in January. The Mayor is a member ex-officio. Ordinances, Chap. 14, Sec. 2.

TRUSTEES OF PUBLIC BURIAL GROUNDS—Five.

One member appointed by the Mayor annually in April for the term of five years. Chap. 242, Acts of 1907.

WATER BOARD—Four.

One member chosen in January or February by concurrent vote of the City Council for the term of four years, commencing the second Monday in March. Ordinances, Chap. 45, Sec. 1.

WEIGHERS OF COAL—One or more.

Appointed by the Mayor and Aldermen in January or February for the term of one year. Ordinances, Chap. 41, Sec. 2.

WEIGHERS OF HAY AND OTHER ARTICLES—Two or more.

Appointed by the Mayor and Aldermen in January or February for the term of one year. Ordinances, Chap. 21, Sec. 1.

CATALOGUE

OF THE

Government of the City of Lowell

IN

Chronological Order of Service.

From Its Institution in 1836, to 1907, Inclusive.

1836.**MAYOR:****ELISHA BARTLETT.****ALDERMEN:**

William Austin, resigned Oct. 10.	Benjamin Walker.
Joseph Tapley, elected November.	Oliver M. Whipple.
Seth Ames.	Alexander Wright.
Aaron Mansur.	

SAMUEL A. COBURN, City Clerk.**COMMON COUNCIL:**

John Clark, President.	Stephen Mansur.
Henry J. Baxter.	John Mixer.
Jonathan Bowers.	Thomas Nesmith.
George Brownell.	David Nourse.
James Cook.	Thomas Ordway.
David Dana.	James Russell.
Erastus Douglass.	John A. Savels.
Josiah B. French.	Sidney Spalding.
Cyril French.	Weld Spalding.
Samuel Garland.	Jonathan Tyler.
Horatio W. Hastings.	Tappan Wentworth.
Horace Howard.	William Wyman.

GEORGE WOODWARD, Clerk, died. ALBERT LOCKE, elected.**1837.****MAYOR:****ELISHA BARTLETT, † '36.****ALDERMEN:**

Seth Ames, *'36.	Joseph G. Kittredge.
John Aiken.	Joshua Swan.
Seth Chellis	Alexander Wright, *'36.

SAMUEL A. COBURN, City Clerk.**COMMON COUNCIL:****WARD 1.**

Joshua Abbott.
James K. Fellows.
Jesse Phelps.
Walter Wright.

WARD 2.

William Fiske.
Thomas Nesmith, '36.
Josiah Osgood.
Joseph Tyler.

WARD 3.

Joseph M. Dodge.
Elisha Huntington, President.
William North.
Joseph Tapley.

WARD 4.

William Baker.
Elijha M. Read.
Charles H. Wilder.
William W. Wyman.

WARD 5.

George Brownell, '36.
Osgood Dane.
James Russell, '36.
Tappan Wentworth, '36.

WARD 6.

Andrew Bird.
Benjamin H. Gage.
Jona. T. P. Hunt.
Abram Tilton.

ALBERT LOCKE, Clerk.

The figures without other marks indicate membership of the Common Council those years. † Mayor that year. * Alderman that year. ‡ President of the Common Council that year.

1838**MAYOR:****LUTHER LAWRENCE.****ALDERMEN:**

Benjamin F. French. George H. Carleton.
 Charles L. Tilden. George Brownell, '36, '37.
 Oliver M. Whipple, *'36. Seth Chellis, *'37.

THOMAS ORDWAY, City Clerk.**COMMON COUNCIL:****WARD 1.**

Jesse Phelps, '37.
 Walter Wright, '37.
 Eliphalet Brown.
 Perez Fuller.

WARD 2.

William Fiske, '37.
 Aaron H. Sherman.
 William Upham.
 Henry J. Baxter, '36.

WARD 3.

Thomas Hopkinson.
 Elisha Huntington, † '37, President.
 Horace Howard, '36.
 John Mixer, '36.

WARD 4.

David Dana, '36.
 Perley Hale.
 Benjamin Walker, *'36.
 William Baker, '37.

WARD 5.

Garret J. Bradt.
 Benjamin Wilde.
 Erastus Douglass, '36.
 Rufus Paul.

WARD 6.

Eli Cooper.
 Thomas L. Randlett.
 James L. Foot.
 Calvin Goodspeed.

ALBERT LOCKE, Clerk.**1839.****MAYOR:****LUTHER LAWRENCE. — [Died in April.]****ELISHA HUNTINGTON, † '37, † '38.****ALDERMEN:**

Benjamin F. French, *'38. George H. Carleton, *'38.
 John O. Green. John Clark, † '36.
 Charles L. Tilden, *'38. Oliver M. Whipple, * '36, *'38.

THOMAS ORDWAY, City Clerk.**COMMON COUNCIL:****WARD 1.**

Walter Wright, '37, '38.
 Harlin Pillsbury.
 Eliphalet Brown, '38.
 Forrest Eaton.

WARD 2.

Jonathan Tyler, '36.
 John Nesmith.
 Henry J. Baxter, '36, '38.
 Jefferson Bancroft.

WARD 3.

Thomas Hopkinson, '38, President.
 Jacob Robbins.
 John G. Locke.

WARD 4.

Benjamin Walker, *'36, '38.
 Samuel Horn.
 Stephen Carleton.
 Stephen Mansur, '36.

WARD 5.

Tappan Wentworth, '36, '37.
 Lewis McIntire, died Feb., 1840.
 Benjamin Wilde, '38.
 Garret J. Bradt, '38.

WARD 6.

Thomas L. Randlett, '38.
 Joseph S. Holt.
 John L. Fitts.
 Daniel Knapp.

ALBERT LOCKE, Clerk.

1840.**MAYOR:****ELISHA HUNTINGTON, † '37, † '38, † '39.****ALDERMEN:**

Jonathan Tyler, '36, '39.
 John R. Adams.
 Joseph Bedlow.

Harlin Pillsbury, '39.
 Seth Ames, *'36, *'37.
 Stephen Mansur, '36, '39.

THOMAS ORDWAY, City Clerk.**COMMON COUNCIL:****WARD 1.**

Forrest Eaton, '39.
 Sylvanus Adams.
 Henry Patch.
 R. M. Hutchinson.

WARD 2.

Jefferson Bancroft, '39.
 John Nesmith, '39.
 Joseph G. Kittredge, *'37.
 Josiah Osgood, '37.

WARD 3.

Pelham W. Warren, President.
 Abner W. Buttrick.
 Asa Hall.
 Samuel Burbank.

WARD 4.

Ferdinand Rodliff.
 Ethan Burnap.
 Edward F. Watson.
 B. Walker, *'36, '38, '39, died Sept.

WARD 5.

Tappan Wentworth, '36, '37, '39.
 Samuel W. Brown.
 John J. Crane.
 George Dane.

WARD 6.

Daniel Knapp, '39.
 George L. Fitts, '39.
 Joseph Battles.
 Joshua Converse.

ALBERT LOCKE, Clerk, died October. JOHN G. LOCKE, elected October.**1841.****MAYOR:****ELISHA HUNTINGTON, † '37, † '38, † '39, † '40.****ALDERMEN:**

Seth Chellis, *'37, '38.
 Jefferson Bancroft, '39, '40.
 Cyril French, '36.

George H. Carleton, *'38, *'39.
 John R. Adams, *'40.
 John Aiken, *'37.

THOMAS ORDWAY, City Clerk.**COMMON COUNCIL:****WARD 1.**

Henry Patch, '40.
 George Bragdon.
 John W. Holland.
 Arnold Welch.

WARD 2.

William Fiske, '37, '38.
 Erasmus D. Leavitt.
 Jonathan White.
 Nathaniel Wilson.

WARD 3.

Samuel Burbank, '40.
 Nathaniel Critchett.
 Royal Southwick.
 Edward Winslow.

WARD 4.

Ethan Burnap, '40.
 William Livingston.
 John Morrison.
 Edward F. Watson, '40.

WARD 5.

Tappan Wentworth, '36, '37, '39, '40, Pres
 Samuel W. Brown, '40.
 John J. Crane, '40.
 Phineas Whiting.

WARD 6.

Francis H. Bowers.
 Isaac H. Cooper.
 William Potter.
 John Smith.

JOHN G. LOCKE, Clerk.

1842.**MAYOR:****NATHANIEL WRIGHT.****ALDERMEN:**

Nathaniel Thurston.
 Jefferson Bancroft, '39, '40, '41.
 Cyril French, '36, *'41.

William Livingston, '41
 Ithamar A. Beard.
 John W. Graves.

THOMAS ORDWAY, City Clerk.**COMMON COUNCIL:****WARD 1.**

Jeremiah P. Jewett.
 John Hadley.
 James Townsend.
 Edward J. Payne.

WARD 2.

John Nesmith, '39, '40.
 Erasmus D. Leavit, '41.
 Joseph W. Mansur, President.
 James Hopkins.

WARD 3.

Nathaniel Critchett, '41.
 Ira Spalding.
 John Mead.
 Asa W. Willoughby.

WARD 4.

John Morrison, '41.
 William Carlton.
 Oliver March.
 Josiah B. French, '36.

WARD 5.

James Patterson.
 Isaac Appleton.
 Josiah Seavey.
 Roswell Douglass.

WARD 6.

James Russell, '36, '37.
 Jonathan Kendall.
 Varnum A. Shed.
 Isaac N. Fitts.

JOHN G. LOCKE, Clerk.**1843.****MAYOR:****NATHANIEL WRIGHT, †'42.****ALDERMEN:**

Harlin Pillsbury, '39, *'40, res'd June.
 Henry C. Johnson.
 Cyril French, '36 *'41, *'42.

S. Spalding, '36, res'd in June.
 Joseph Griffin.
 Charles L. Tilden, *'38, '39.

THOMAS ORDWAY, City Clerk.**COMMON COUNCIL:****WARD 1.**

Daniel Bixby.
 Edward J. Payne, '42.
 Hugh Commiskey.
 Walter Wright, '37, '38, '39.

WARD 2.

Henry J. Baxter, '36, '38, '39.
 John P. Simonds.
 Pliny Lawton.
 Ben Osgood.

WARD 3.

John Mead, '42.
 Willard Brown.
 Ira Spalding, '42.
 Benjamin J. Gerrish.

WARD 4.

Otis Allen.
 Alfred Gilman.
 Oliver March, '42, President.
 William Carlton, '42.

WARD 5.

James Patterson, '42.
 David Bradt.
 John L. Tripp.
 Benjamin F. Holden.

WARD 6.

John B. McAlvin.
 Cyrus Battles.
 Sewall G. Mack.
 Charles F. Mitchell.

JOHN G. LOCKE, Clerk.

1844.**MAYOR:****ELISHA HUNTINGTON**, †'37, †'38, †'39, †'40, †'41.**ALDERMEN:**

Henry Smith.
 Selwin Bancroft,
 O. M. Whipple, *'36, *'38, *'39.

Edward F. Watson, '40, '41.
 Joseph Griffin, *'43.
 John Wright.

THOMAS ORDWAY, City Clerk.**COMMON COUNCIL:****WARD 1.**

Forrest Eaton, '39, '40.
 Gilman N. Nichols.
 Hugh Cumiskey, '43.
 David Healey.

WARD 2.

John P. Simonds, '43.
 Ben Osgood, '43.
 Amos Merriam.
 John Clark, †'36, *'39, President.

WARD 3.

Charles B. Coburn.
 George Choate.
 Isaac Scripture.
 William C. Gray.

WARD 4.

Asa Wetherbee.
 Abner W. Buttrick, '40.
 Horatio G. F. Corliss.
 Charles H. Wilder, '37.

WARD 5.

John L. Tripp, '43.
 David Bradt, '43.
 John Wright.
 Nathaniel Wright, Jr.

WARD 6.

Sewall G. Mack, '43.
 James Russell, '36, '37, '42.
 Jonathan Kendall, 42.
 Gilman Gale.

JOHN G. LOCKE, Clerk.**1845.****MAYOR:****ELISHA HUNTINGTON**, †'37, †'38, †'39, †'40, †'41, †'44.**ALDERMEN:**

Henry Smith, *'44.
 Selwin Bancroft, *'44.
 O. M. Whipple, *'36, *'38, *'39, *'44.

Edward F. Watson, '40, '41, '44.
 John C. Dalton.
 Daniel Knapp, '39.

THOMAS ORDWAY, City Clerk.**COMMON COUNCIL:****WARD 1.**

Gilman N. Nichols, '39.
 Danforth P. Brigham.
 Jonathan Adams.
 Willard C. Welch.

WARD 2.

John P. Simonds, '43, '44.
 Daniel Balch.
 William Brown.
 Daniel S. Richardson, President.

WARD 3.

Isaac Scripture, '44.
 William C. Gray, '44.
 George Choate, '44.
 Hapgood Wright.

WARD 4.

Abner, W. Buttrick, '40 '44.
 Asa Wetherbee, '44.
 Charles H. Wilder, '37, '44.
 Josiah Sawtell.

WARD 5.

Nathaniel Wright, Jr., '44.
 Amos Hyde.
 Edward Sherman.
 James Fenno.

WARD 6.

Gilman Gale, '44.
 John B. McAlvin, '43.
 Samuel Fay, Jr.
 Lorenzo P. Wright.

JOHN G. LOCKE, Clerk.

1846.**MAYOR:****JEFFERSON BANCROFT, '39, '40, *'41, *'42.****ALDERMEN:**

Henry Smith, *'44, *'45.
 Selwin Bancroft, *'44, *'45.
 William C. Gray, '44, '45.
 Joseph Butterfield.

John C. Dalton, '45.
 D. Knapp, '39, *'45, resigned in July
 Isaac Corper, '41, elected in August.

THOMAS ORDWAY, City Clerk.**COMMON COUNCIL:****WARD 1.**

Gilman N. Nichols, '39, '45.
 Danforth P. Brigham, '45.
 Willard C. Welch, '45.
 Thomas S. Hutchinson.

WARD 2.

Daniel Balch, '45.
 William Brown, '45.
 Daniel S. Richardson, †'45, President.
 Zadock Rogers.

WARD 3.

Hapgood Wright, '45.
 Isaac Farrington.
 Joel Powers.
 Frankiin Mead.

WARD 4.

Josiah Sawtell, '45.
 Solon Stevens.
 David J. Moody.
 William Fletcher.

WARD 5.

Amos Hyde, '45.
 Horatio G. F. Corliss, '44.
 Jonathan Bowers, '36.
 Charles M. Short.

WARD 6.

Lorenzo P. Wright, '45.
 John L. Fitts, '39, '40.
 Lewis Packard.
 Columbus J. Hubbard.

JOHN G. LOCKE, Clerk.**1847.****MAYOR:****JEFFERSON BANCROFT, '39, '40, *'41, *'42, †'46.****ALDERMEN:**

George Bragdon.
 Joseph Butterfield, *'46.
 Linus Child.
 James Fenno, '45.

Elisha Huntington, †'37, †'38, †'39, †'40,
 †'41, †'44, †'45.
 Sewall G. Mack, '43, '44.
 Stephen Mansur, '36, '39, *'40.
 Josiah Sawtell, '45, '46.

THOMAS ORDWAY, City Clerk.**COMMON COUNCIL:****WARD 1.**

William Conihe.
 James C. Crombie.
 David S. Bachelder,
 Jesse Huse.

WARD 2.

Samuel W. Brown, '40, '41.
 Hannibal Powers.
 William Newman.
 Otis L. Allen.

WARD 3.

Joel Powers, '46.
 Franklin Mead, '46.
 Isaac Farrington, '46.
 Samuel G. Davis.

WARD 4.

Joel Adams, President.
 Horatio Fletcher.
 Solon Stevens, '46.
 Stephen A. Coburn.

WARD 5.

Ignatius Tyler.
 Edward C. Johnson.
 Elihn Gates.
 Charles M. Short, '46.

WARD 6.

Thomas Wentworth.
 Isaac N. Parker.
 John R. Southwick.
 Isaiah Morse.

JOHN G. LOCKE, Clerk.

1848.**MAYOR:****JEFFERSON BANCROFT, '39, '40, *'41, *'42, †'46, †'47.****ALDERMEN:**

David Dana, '36, '38.

Erastus Douglass, '36, '38.

Jacob Graves, resigned in June.

William Newman, '47.

Gilman N. Nichols, '39, '45, '46.

Daniel S. Richardson, †'45, †'46.

Josiah Sawtell, '45, '46, *'47.

O. M. Whipple, *'36, *'38, *'39, *'45.

THOMAS ORDWAY, City Clerk.**COMMON COUNCIL:****WARD 1.**

William Conihe, '47.

James C. Crombie, '47.

Jesse Huse, '47.

Gerry Wilson.

WARD 2.

Otis L. Allen, '47.

William H. Flagg.

John Nesmith, '39, '40, '42.

Hannibal Powers, '47.

WARD 3.

Alfred Gilman, '43.

Thomas Hopkinson, '38, '39, President.

Ransom Reed.

Nathaniel Critchett, '41, '42.

WARD 4.

John Avery.

Otis Allen, '43.

Abiel Rolfe.

Horace Howard, '36, '38.

WARD 5.

Ignatius Tyler, '47.

Elihu Gates, '47.

Edward C. Johnson, '47.

Charles M. Short, '46, '47.

WARD 6.

Thomas Wentworth, '47.

Isaac N. Parker, '47.

Jeremiah M. Currier.

Horace Parmenter.

JOHN G. LOCKE, Clerk.**1849.****MAYOR:****JOSIAH B. FRENCH, '36, '42.****ALDERMEN:**

James B. Francis.

Cyril French, '36, *'41, *'42, *'43.

James H. B. Ayer.

Daniel D. Crombie.

Daniel Carter.

George Brownell, '36, '37, *'38.

Artemas L. Brooks.

Joseph Bedlow, *'40.

THOMAS ORDWAY, City Clerk.**COMMON COUNCIL:****WARD 1.**

Jesse Huse, '47, '48, resigned in February.

William A. Richardson, elected in March.

Gerry Wilson, '48.

John W. Smith.

Alfred S. Saunders.

WARD 2.

William H. Flagg, '48.

Ivers Taylor.

Isaac S. Morse, resigned.

Ambrose Lawrence.

WARD 3.

Alfred Gilman, '43, '48.

Elisha Davis.

James Dinsmoor.

Andrew C. Wheelock.

WARD 4.

Nathaniel B. Favor.

Caleb Crosby.

Ezekiel Wright.

Waldo A. Fisher.

WARD 5.

Maynard Bragg.

Joshua Decatur.

Abram T. Melvin.

W. W. Morse.

WARD 6.

William Lamson, Jr.

Jeremiah M. Currier, '48.

George S. Wright.

John Aiken, *'37, *'41, President.

GEORGE A. BUTTERFELD, Clerk.

1850.**MAYOR:****JOSIAH B. FRENCH, '36, '42, †'49.****ALDERMEN:**

James H. B. Ayer, *'49.
 Joseph Bedlow, *'40, *'49.
 Daniel D. Crombie, *'49.
 James B. Francis, *'49.

Philip Hardy.
 John Mixer, '36, '38.
 Josiah G. Peabody.
 James Townsend, '42.

THOMAS ORDWAY, City Clerk.**COMMON COUNCIL:****WARD 1.**

John W. Smith, '49.
 Daniel R. Kimball.
 James Watson.
 Jonathan Smothers.

WARD 2.

Ivers Taylor, '49, President.
 George Gardner.
 Samuel Lawrence, 2d.
 Samuel J. Varney.

WARD 3.

Jonathan Page.
 John Tripp.
 Fordyce Coburn.
 Joshua Merrill.

WARD 4.

Abner W. Buttrick, '40, '44, '45.
 Caleb Crosby, '49.
 Benjamin Goddard.
 Nathaniel B. Favor, '49.

WARD 5.

George P. Elliot.
 William Fiske, '37, '38, '41.
 George W. Worthen.
 Maynard Bragg, '49.

WARD 6.

Albert Mallard.
 Stephen P. Sargent.
 George S. Wright, '49.
 Wm. Lampson, Jr., '49, resigned in May

GEO. A. BUTTERFIELD, Clerk, res'd May. Wm. LAMSON, JR., elected May.**1851.****MAYOR:****JAMES H. B. AYER, *'49, *'50.****ALDERMEN:**

William Fiske, '37, '38, '41, '50.
 Ambrose Lawrence, '49.
 James Townsend, '42, *'50.
 Philip Hardy, *'50.

William North, '37.
 Abiel Rolfe, '48.
 Lucius A. Cutler.
 Joshua Converse, 40.

THOMAS ORDWAY, City Clerk.**COMMON COUNCIL:****WARD 1.**

James Watson, '50.
 Jonathan Smothers, '50.
 Charles B. Coburn, '44.
 Stephen Moar.

WARD 2.

Linus Child, *'47.
 George Gardner, '50, President.
 Samuel J. Varney, '50.
 Zachariah B. Caverly.

WARD 3.

Fordyce Coburn, '50.
 William Twichell.
 Darius C. Brown.
 Benjamin C. Sargeant.

WARD 4.

Benjamin Goddard, '50.
 Richard Dennis.
 Holland Streeter.
 Solomon D. Emerson.

WARD 5.

George P. Elliot, '50.
 Edward Fifield.
 John N. Ford.
 Theodore H. Sweetser.

WARD 6.

George W. Worthen, '50.
 George W. Jones, died in September.
 Stephen P. Sargent, '50.
 Albert Mallard, '50.

WILLIAM LAMSON, JR., Clerk,

1852.**MAYOR:**

ELISHA HUNTINGTON, †'37, †'38, †'39, †'40, †'41, †'44, †'45, *'47.

ALDERMEN:

Joseph Bedlow, *'40, *'49, *'50.

Wm. Fiske, '37, '38, '41, '50, *'51.

Joseph M. Bullens.

William North, '37, *'51.

Samuel Burbank, '40, '41.

Alpha Stevens.

Joseph B. V. Coburn.

Samuel J. Varney, '50, '51.

THOMAS ORDWAY, City Clerk.

COMMON COUNCIL:**WARD 1.**Rufus Rogers.
John C. Smith.
Jeremiah Clark.
Paul Hill.**WARD 4.**Holland Streeter, '51.
Elbridge Livingston.
Abram French.
Willard Minot.**WARD 2.**Paul Perkins.
Milton Bonney.
William Hovey.
Zachariah B. Caverly, '51.**WARD 5.**Edward Fifield, '51.
Phineas Whiting, '41.
George W. Patterson.
Jonathan Kendall, '42, '44.**WARD 3.**Darius C. Brown, '51.
William Twichell, '51.
Benjamin C. Sargeant, '51, President.
Michael B. Caswell.**WARD 6.**Leonard W. Jaquith.
Seth Pooler.
Caleb G. Weaver.
William C. Parker.

WILLIAM LAMSON, JR., Clerk.

1853.**MAYOR:**

SEWALL G. MACK, '43, '44, *'47.

ALDERMEN:Elisha Huntington, †'37, †'38, †'39, †'40,
†'41, †'44, †'45, *'47, †'52.

Ira Spalding, '42, '43.

Samuel K. Hutchinson.

Joseph M. Bullens, *'52.

Stephen Mansur, '36, '39, *'40, *'47.

Alpha Stevens, *'52.

Joseph B. V. Coburn, *'52.

Joseph White.

THOMAS ORDWAY, City Clerk.

COMMON COUNCIL:**WARD 1.**Rufus Rogers, '52.
John C. Smith, '52.
Marcus A. Thomas.
James Cook, '36.**WARD 4.**Abram French, '52.
Henry C. Howe.
Joseph S. Grush.
Samuel K. Pickering.**WARD 2.**Paul Perkins, '52.
Milton Bonney, '52.
George G. Bumpus.
George W. Stanley.**WARD 5.**George W. Patterson, '52.
William A. Richardson, '49, President.
Patrick Conlan.
Jonathan Bowers.**WARD 3.**Michael B. Caswell, '52.
Calvin Philbrick.
Leonard Brown.
Henry H. Wilder.**WARD 6.**Caleb G. Weaver, '52.
William C. Parker, '52.
George F. Woods.
C. F. Blanchard.

WILLIAM LAMSON, JR., Clerk.

1854.**MAYOR:****SEWALL G. MACK, '43, '44, *'47, †'53.****ALDERMEN:**

Elisha Huntington, †'37, †'38, †'39, †'40, Joseph White, *'53.
 †'41, †'44, †'45, *'47, †'52, *'53. Horatio Fletcher, 47.
 J. B. V. Coburn, *'52, *'53, res'd in Jan. C. F. Blanchard, '53.
 Samuel K. Hutchinson, *'53. Charles Sperry.
 Ira Spalding, '42, '43, *'53.

WILLIAM LAMSON, JR. City Clerk.**COMMON COUNCIL:****WARD 1.**

John C. Smith, '52, '53.
 Paul Hill, '52.
 Marcus A. Thomas, '53.
 Thomas Lennon.

WARD 2.

George W. Stanley, '53.
 William H. Gage.
 Amos A. Taylor.
 William H. Bradley.

WARD 3.

Calvin Philbrick, '53.
 Leonard Brown, '53, declined.
 Darius C. Brown, '51, '52, elected.
 Henry H. Wilder, '53.
 Peter O. C. Frawley.

WARD 4.

Henry C. Howe, '53.
 Joseph S. Grush, '53.
 Samuel K. Pickering, '53.
 Hubbard Wilson.

WARD 5.

Wm. A. Richardson, '49, †'53, President.
 Jonathan Bowers, '53.
 Patrick Conlan, '53.
 John C. Woodward.

WARD 6.

George F. Woods, '53.
 Charles S. Eastman.
 Levi H. Straw.
 William P. Webster.

LEONARD BROWN, Clerk.**1855.****MAYOR:****AMBROSE LAWRENCE, '49, '51.****ALDERMEN:**

Wm. Fiske, '37, '38, '41, '50, *'51, *'52. Andrew T. Nute.
 Artemas L. Brooks, *'49. Abner Frost.
 Daniel Woodward. William S. Johnson.
 Lorenzo G. Howe. Shadrach R. Brackett.

WILLIAM LAMSON, JR., City Clerk.**COMMON COUNCIL:****WARD 1.**

Maynard Bragg, '49, '50.
 Aaron B. Young.
 Augustus B. Roby.
 George L. Harris.

WARD 2.

William G. Morse.
 George K. Paul.
 Mark H. Cook.
 Joseph A. Patten.

WARD 3.

Alfred Gilman, '43, '48, '49, President.
 Daniel Hurd.
 Theodore Warren.
 Stephen K. Fielding.

WARD 4.

Joshua W. Daniels.
 John Bennett.
 Alanson Folsom.
 Francis H. Nourse.

WARD 5.

John C. Woodward, '54.
 Stephen Bartlett.
 Jonathan Johnson.
 Oliver P. Rand.

WARD 6.

Levi H. Straw, '54.
 William T. Whitten.
 Lucien P. Stacy.
 James M. Moore.

LEONARD BROWN, Clerk.

1856.**MAYOR:**

ELISHA HUNTINGTON, †'37, †'38, †'39, †'40, †'41, †'44, †'45, *'47,
†'52, *'53, *'54.

ALDERMEN:

Edward Tuck.	Charles H. Wilder, '37, '44, '45.
Samuel Burbank, '40, '41, *'52.	O. J. Conant, resigned in March.
Charles B. Coburn, '44.	James H. Rand.
William P. Webster, '54.	Jonathan Johnson, elected in June.
Hapgood, Wright, '45, '46.	

WILLIAM LAMSON, JR., City Clerk.

COMMON COUNCIL:**WARD 1.**

Enos O. Kingsley.
Abiel Pevey.
David M. Collins.
Marshall E. Thompson.

WARD 2.

Isaac Hinckley.
Seth Gage.
Peter Flanders, Jr.
Leonard F. Jewell.

WARD 3.

David Rogers.
Benj. C. Sargeant, '51, †'52, President.
Henry H. Carroll.
Peter Powers.

WARD 4.

Francis H. Nourse, '55.
Alden B. Buttrick.
Holland Streeter, '51, '52.
James Sands.

WARD 5.

Frederick Holton.
Isaac Place.
Albert Wheeler.
Abiel Rolfe, '48, *'51.

WARD 6.

Eliphalet Hills.
Jonathan P. Folsom.
James K. Fellows, '37.
John K. Chase.

JAMES J. MAGUIRE, Clerk.

1857.**MAYOR:**

STEPHEN MANSUR, '36, '39, *'40, *'47, *'53.

ALDERMEN:

Andrew T. Nute, *'55.	John B. Tuttle.
John C. Woodward, '54, '55.	Francis H. Nourse, '55, '56.
Jonathan Smothers, '50, '51.	Jonathan Johnson, '55, *'56.
Samuel W. Stickney.	John Nesmith, '39, '40, '42, '48.

WILLIAM LAMSON, JR., City Clerk.

COMMON COUNCIL:**WARD 1.**

Abiel Pevey.
Stephen T. Stanley.
Charles A. Welch.
George F. Scribner.

WARD 2.

William G. Morse, '55.
William D. Vinall.
Temple Tebbetts.
James M. Howe.

WARD 3.

Benjamin C. Sargeant, '51, †'52, †'56.
David Rogers, '56.
Henry H. Carroll, '56.
Nathan Allen.

WARD 4.

Caleb Crosby, '49, '50.
John F. Howe.
John C. Jepson.
Alanson Nichols.

WARD 5.

Frederick Holton, '56, President.
William H. Wiggin.
William Goodale.
Charles Hubbard.

WARD 6.

Erastus Boyden.
Jonathan Kimball.
Robert J. Garrett.
William Nichols.

HENRY A. LORD, Clerk.

1858.**MAYOR:**

ELISHA HUNTINGTON, †'37, †'38, †'39, †'40, †'41, †'44, †'45, *'47, †'52, *'53, *'54, †'56.

ALDERMEN:

Sewall G. Mack, '43, '44, *'47, †'53, †'54. Joseph M. Dodge, '37.
 Samuel W. Stickney, *'57. Harvey Silver.
 Abiel Pevey, '56, '57. Albert Wheeler, '56.
 Jeremiah P. Jewett, 42. Edwin A. Alger.

JOHN H. McALVIN, City Clerk.

COMMON COUNCIL:**WARD 1.**

Charles Wilkins.
 John M. Maynard.
 John E. Webb.
 William Barnard.

WARD 2.

Edward Tuck, *'56.
 William P. Webster, '54, *'56.
 Andrew Blood.
 William F. Salmon.

WARD 3.

Benjamin C. Sargeant, '51, †'52, †'56, '57, President.
 Hanover Dickey.
 Joseph A. Brabrook.
 Benjamin S. Butterworth.

WARD 4.

Enoch P. Young.
 Zephaniah Goward.
 Jesse Blake.
 John F. Howe, '57.

WARD 5.

Willard Dudley.
 Samuel T. Manahan.
 Isaac Page.
 John Avery, 2d.

WARD 6.

William Nichols, '57.
 Alpha B. Farr, resigned in January.
 Leonard Brown, '53, '54, elected in Feb.
 Erastus Boyden, '57.
 James H. Rand, *'56, resigned in May.
 Eben'r Burgess, elected in June.

GEORGE GARDNER, Clerk.

1859.**MAYOR:**

JAMES COOK, '36, '53.

ALDERMEN:

Lorenzo G. Howe, *'55. John F. Howe, '57, '58.
 Samuel J. Varney, '50, '51, *'52. Joshua Converse, '40, *'51, res'd in April.
 Paul Hill, '52, '54. J. P. Folsom, '56, resigned in April.
 Ambrose Lawrence, '49, '51, †'55, re- Edward Tuck, *'56, '58, elected in May.
 signed in April. Samuel T. Manahan, '58, elected in May.
 Darius C. Brown, '51, '52. Jonathan Ladd, elected in May.

JOHN H. McALVIN, City Clerk.

COMMON COUNCIL:**WARD 1.**

John E. Webb, '58.
 Charles Wilkins, '58.
 William Barnard, '58.
 William D. Blanchard.

WARD 2.

W. P. Webster, '54, *'56, '58, President.
 William F. Salmon, '58.
 James M. Howe, '57.
 David Nichols.

WARD 3.

George Hobson.
 Asabel D. Puffer.
 John Willoughby.
 Benjamin S. Butterworth, '58.

WARD 4.

Caleb Crosby, '49, '50, '57.
 Jesse Blake, '58.
 George W. Partridge.
 George W. Young.

WARD 5.

Horatio G. F. Corliss, '44, '46.
 Luther B. Morse.
 Josiah G. Peabody, *'50.
 William Goodale, '57.

WARD 6.

Charles A. Stott.
 Levi Sprague.
 Ebenezer Burgess, '58.
 Leonard Brown, '53, '54, '58.

GEORGE GARDNER, Clerk.

1860.**MAYOR:****BENJAMIN C. SARGEANT, '51, † '52, † '56, '57, † '58.****ALDERMEN:**

Edward F. Watson, '40, '41, *'44, *'45.	Henry H. Wilder, '53, '54.
Lorenzo G. Howe, *'55, *'59.	Abner Frost, *'55.
James Watson, '50, '51.	Samuel T. Manahan, '58, *'59.
William G. Morse, '55, '57.	William S. Gardner.

JOHN H. McALVIN, City Clerk.**COMMON COUNCIL:****WARD 1.**

Benjamin S. Ireson.
 Enoch Quinby.
 John P. Slocum.
 Amos H. Foster.

WARD 2.

Henry P. Clough.
 Alfred S. Saunders, '49.
 Wm. F. Salmon, '58, '59, President.
 Joseph L. Sargent.

WARD 3.

George Hobson, '59.
 Josiah B. Fielding.
 Henry P. Perkins.
 Hocum Hosford.

WARD 4.

George W. Partridge, '59.
 George W. Young, '59.
 Morrill M. Bohonan.
 Caleb Crosby, '49, '50, '57, '59.

WARD 5.

Josiah G. Peabody, *'50, '59.
 Sullivan L. Ward.
 George F. Morey.
 William H. Lamson.

WARD 6.

William Nichols, '57, '58.
 Samuel T. Lancaster.
 Charles A. Stott, '59.
 Foster Nowell.

GEORGE GARDNER, Clerk.**1861.****MAYOR:****BENJAMIN C. SARGEANT, '51, † '52, † '56, '57, † '58, † '60.****ALDERMEN:**

Samuel T. Manahan, '58, *'59, *'60.	Aldis L. Waite.
Jonathan P. Folsom, '56, *'59.	David Whitney, declined acceptance.
James Watson, '50, '51, *'60.	Sager Ashworth, elected in May.
William G. Morse, '55, '57, *'60.	William S. Gardner, *'60.
Hocum Hosford, '60.	

JOHN H. McALVIN, City Clerk.**COMMON COUNCIL:****WARD 1.**

Frank E. Jewett.
 M. Gilbert Perkins.
 Jacob Baron.
 William D. Blanchard, '59.

WARD 2.

Alfred S. Saunders, '49, '60.
 Joseph L. Sargent, '60.
 Henry P. Clough, '60.
 Henry S. Orange.

WARD 3.

William L. North, President.
 George W. Norris.
 Henry P. Perkins, '60.
 James G. Morrison.

WARD 4.

Joseph Cater.
 Joseph B. Keyes.
 Morrill M. Bohonan, '60.
 Abel M. Ayer.

WARD 5.

Sullivan L. Ward, '60.
 Samuel Beck.
 William H. Parker.
 George F. Morey, '60.

WARD 6.

Samuel T. Lancaster, '60.
 Foster, Nowell, '60.
 Elon A. Sanborn.
 George E. Dana.

GEORGE GARDNER, Clerk.

1862.**MAYOR:****HOCUM HOSFORD, '60, *'61.****ALDERMEN:**

Mertoun C. Bryant.
 Edwin A. Alger, *'58.
 James B. Francis, *'49, *'50.
 William A. Burke.

Isaac F. Scripture.
 Aldis L. Waite, *'61.
 Albert Wheeler, '56, *'58.
 Jona. P. Folsom, '56, *'59, *'61.

JOHN H. MCALVIN, City Clerk.**COMMON COUNCIL:****WARD 1**

Amos D. Wright.
 Frank E. Jewett, '61.
 Horatio G. Burgess.
 Charles F. Hard.

WARD 2.

Benedict O. Carpenter.
 William T. McNeill.
 Lorenzo G. Howe, *'55, *'58, *'60.
 Henry S. Orange, '61.

WARD 3.

George W. Norris, '61.
 Edmund D. Fletcher.
 Everett W. French.
 John Quinn.

WARD 4.

Joseph B. Keyes, 61.
 George Runels.
 John Pettingell.
 Hubbard Willson, '54.

WARD 5.

Rollin C. Downs.
 Albert Mallard, '50, '51.
 Edward Fifield, '51, '52.
 Cleveland J. Cheney.

WARD 6.

George F. Richardson, President
 Albion J. Dudley.
 Elon A. Sanborn, '61.
 Frederick Frye.

GEORGE GARDNER, Clerk.**1863.****MAYOR:****HOCUM HOSFORD, '60, *'61, † '62.****ALDERMEN:**

James B. Francis, *'49, *'50, *'62.
 Edwin A. Alger, *'58, *'62.
 Abiel Pevey, '56, '57, *'58.
 William A. Burke, *'62.

Isaac F. Scripture, *'62.
 Otis Allen, '43, '48.
 Albert Wheeler, '56, *'58, *'62.
 William Nichols, '57, '58, '60.

JOHN H. MCALVIN, City Clerk.**COMMON COUNCIL:****WARD 1.**

Charles F. Hard, '62.
 Amos D. Wright, '62.
 John Cosgrove.
 William A. Wright.

WARD 2.

George F. Sawtell.
 Henry S. Orange, '61, '62.
 Hugh McEvoy.
 Nathaniel Stearns.

WARD 3.

Everett W. French, '62.
 Fordyce Coburn, '50, '51.
 Edmund D. Fletcher, '62.
 John Quinn, 62.

WARD 4.

Atwell F. Wright.
 Josiah Gates.
 William Stafford.
 John McCann.

WARD 5.

James C. Ayer.
 Charles W. Saunders.
 Cyrus H. Latham.
 John E. Downs.

WARD 6.

George F. Richardson, † '62, President.
 Albion J. Dudley, '62.
 Benedict O. Carpenter, '62.
 Frederick Frye, '62.

GEORGE GARDNER, Clerk.

1864.**MAYOR:**

HOCUM HOSFORD, '60, *'61, †'62, †'63.

ALDERMEN:

William S. Southworth.	George W. Norris, '61, '62.
James B. Francis, *'49, *'50, *'62, *'63.	George Runels, '62.
Dana B. Gove.	Cyrus H. Latham, '63.
William T. McNeill, '62.	George F. Richardson, †'62, †'63.

JOHN H. McALVIN, City Clerk.

COMMON COUNCIL:**WARD 1.**

Alden B. Watson.
 Lewis L. Perrin.
 Frederick S. Tukey.
 John Cosgrove, '63.

WARD 2.

George Ripley, President.
 Andrew F. Jewett.
 Artemas S. Young.
 Hoyt W. Hilton.

WARD 3.

Samuel N. Wood.
 Charles W. Dodge.
 Joseph S. Pollard.
 James G. Morrison, '61.

WARD 4.

Atwell F. Wright, '63.
 Daniel Churchill.
 William W. Sherman.
 Francis Jewett.

WARD 5.

John E. Downs, '63.
 Thomas G. Gerrish, resigned June 14.
 Charles Hubbard, '57.
 Cleveland J. Cheney, '62.

WARD 6.

Levi Sprague, '59.
 Tobias L. P. Lamson.
 Addison Putnam.
 Albion J. Dudley, '62, '63.

GEORGE GARDNER, Clerk.

1865.**MAYOR:**

JOSIAH G. PEABODY, *'50, '59, '60.

ALDERMEN:

Ew'd F. Watson, '40, '41, *'44, *'45, *'60.	Henry H. Wilder, '53, '54, *'60.
George W. Norris, '61, '62, *'64.	Josiah Gates, '63.
Dana B. Gove, *'64.	Cyrus H. Lathan, '63, *'64.
William T. McNeill, '62, *'64.	William Brown, '45, '46.

JOHN H. McALVIN, City Clerk.

COMMON COUNCIL:**WARD 1.**

Alden B. Watson, '64.
 Lewis L. Perrin, '64.
 George N. Osgood.
 John R. Southwick, '47.

WARD 2.

George Ripley, †'64, President.
 Andrew F. Jewett, '64.
 Julian V. Keyes.
 Chester W. Rugg.

WARD 3.

Joseph S. Pollard, '64.
 Charles W. Dodge, '64.
 Edward C. Rice.
 Frederick T. North.

WARD 4.

Francis Jewett, '64.
 Benjamin Walker.
 Benjamin L. Googins.
 John Pearson.

WARD 5.

Charles Hubbard, '57, '64.
 James Kent.
 Simeon D. Osterhoudt.
 James Foster.

WARD 6.

Tobias L. P. Lamson, '64.
 Luke C. Dodge.
 Gustavus A. Gerry.
 James M. Moore, '55.

GEORGE GARDNER, Clerk.

1866.**MAYOR:****JOSIAH G. PEABODY**, *'50, '59, '60, † '65.**ALDERMEN:**

Samuel A. Brown.
 Albert B. Plimpton.
 John R. Southwick, '47, '65.
 Joseph L. Sargent, '60, '61.

Charles W. Dodge, '64, '65.
 Josiah Gates, '63, *'65.
 Henry M. Hooke.
 Albion J. Dudley, '62, '63, '64.

JOHN H. McALVIN, City Clerk.**COMMON COUNCIL:****WARD 1.**

William A. Hodge.
 William A. Wright, '63.
 Jacob Baron, '61.
 Rollin C. Downs, '62.

WARD 2.

Andrew F. Jewett, '64, '65.
 George H. Whitmore.
 Julian V. Keyes, '65.
 Chester W. Rugg, '65.

WARD 3.

Edward C. Rice, '65.
 Frederick T. North, '65.
 James N. Pinkham.
 Oliver W. Smith.

WARD 4.

Benjamin L. Googins, '65.
 Alfred Scott.
 Thomas F. Burgess.
 Benjamin Walker, '65.

WARD 5.

Robert H. Butcher.
 John T. Lee.
 George L. Huntoon.
 Jonathan Johnson, '55, *'56, *'57.

WARD 6.

Gustavus A. Gerry, '65, President.
 Luke C. Dodge, '65.
 Charles A. Kimball.
 Alfred H. Chase.

GEORGE GARDNER, Clerk.**1867.****MAYOR:****GEORGE F. RICHARDSON**, † '62, † '63, *'64.**ALDERMEN:**

Charles B. Coburn, '44, '51, *'56.
 Hocum Hosford, '60, *'61, † '62, † '63, † '64,
 John R. Southwick, '47, '65, *'66.
 Joseph L. Sargent, '60, '61, *'66.
 Edward C. Rice, '65, '66.

Abner W. Buttrick, '40, '44, '45, '50;
 died June 29, '67.
 Wm. E. Livingston, elected Sept. 9, '67.
 William H. Parker, '61.
 Albion J. Dudley, '62, '63, '64, *'66.

JOHN H. McALVIN, City Clerk.**COMMON COUNCIL:****WARD 1.**

John Shepard.
 Calvin Sawtell.
 Foster Wilson.
 M. Gilbert Perkins, '61.

WARD 2.

Gustavus A. Gerry, '65, † '66, President.
 Ruel J. Walker.
 William Dobbins.
 Silas Tyler, Jr.

WARD 3.

Jona. P. Folsom, '56, *'59, *'61, *'62.
 Frederick T. North, '65, '66.
 Samuel D. Prescott.
 Nathan M. Wright.

WARD 4.

John B. Hunt.
 John Q. A. Hubbard.
 Alfred Scott, '66.
 Thomas F. Burgess, '66.

WARD 5.

George L. Huntoon, '66.
 George S. Cheney.
 James Foster, '65.
 John T. Lee, '66.

WARD 6.

Alfred H. Chase, '66.
 James Lawton.
 John N. Pierce, Jr.
 Foster Nowell, '60, '61, res'd May 14, '67.
 William Kittredge, elected Sept. 9, '67.

GEORGE GARDNER, Clerk.

1868.**MAYOR:****GEORGE F. RICHARDSON**, ‡ '62, ‡ '63, *'64, † '67.**ALDERMEN:**

Charles B. Coburn, '44, '51, *'56, *'67.	Edward C. Rice, '65, '66, *'67.
Francis Jewett, '64, '65.	William E. Livingston, *'67.
John M. Pevey, resigned in July.	Frederic Frye, '62, '63.
Charles L. Hildreth, elected in September.	Albion J. Dudley, '62, '63, '64, *'66, *'67.
Silas Tyier, Jr., '67.	

JOHN H. McALVIN, City Clerk.**COMMON COUNCIL:****WARD 1.**

Calvin Sawtell, '67.
 John Shepard, '67.
 John F. Merrill.
 Frederic T. Greenhalge.

WARD 2.

Francis D. Munn.
 Joseph A. Patten, '55.
 Ruel J. Walker, '67.
 Henry S. Orange, '61, '62, '63.

WARD 3.

George W. Badger.
 Samuel D. Prescott, '67.
 William Walker.
 Albert A. Haggett.

WARD 4.

William H. Anderson.
 John Q. A. Hubbard, '67.
 Charles T. Crane.
 John B. Hunt, '67.

WARD 5.

Edwin Lamson.
 George S. Cheney, '67.
 William Kelley.
 Ethan N. Spencer.

WARD 6.

John N. Pierce, Jr., '67.
 James Lawton, '67.
 Francis Brown.
 Alfred H. Chase, '66, '67, President.

GEORGE GARDNER, Clerk.**1869.****MAYOR:****JONATHAN P. FOLSOM**, '56, *'59, *'61, *'62, '67.**ALDERMEN:**

Francis Jewett, '64, '65, *'68.	Hapgood Wright, '45, '46, *'56.
Henry H. Wilder, '53, '54, *'60, '65.	John Q. A. Hubbard, '67, '68.
Charles L. Hildreth, *'68.	George S. Cheney, '67, '68.
Cyrus H. Latham, '63, *'64, *'65.	Charles A. Stott, '59, '60.

JOHN H. McALVIN, City Clerk. Resigned March 15, 1869.**SAMUEL A. McPHETRES**, City Clerk. Elected March 15, 1869.**COMMON COUNCIL:****WARD 1.**

Frederic T. Greenhalge, '68.
 John H. Durgin, Jr.
 Patrick Keyes.
 Benjamin Patch.

WARD 2.

Joseph A. Patten, '55, '68.
 Phineas Jones.
 Francis D. Munn, '68.
 Amos Sanborn.

WARD 3.

George W. Badger, '68.
 Albert A. Haggett, '68.
 William Walker, '68.
 George E. Pinkham.

WARD 4.

William H. Anderson, '68, President.
 Simeon G. Lyford.
 Henry P. Carter.
 Epaphras A. Hill.

WARD 5.

William Kelley, '68.
 Willard A. Brown.
 William O. Fiske.
 Edwin Lamson, '68.

WARD 6.

Francis Brown, '68.
 Alpha B. Farr, '58.
 Lucian P. Stacy, '55.
 William Kittredge, '67.

GEORGE GARDNER, Clerk.

1870.**MAYOR:****JONATHAN P. FOLSOM**, '56, *'59, *'61, *'62, '67, †'69.**ALDERMEN:**

Edward F. Sherman.

Frank F. Battles.

Charles L. Hildreth, *'68, *'69.

Amos B. French.

Hapgood Wright, '45, '46, *'56, *'69.

John Q. A. Hubbard, '67, '68, *'69.

Addison Putnam, '64.

Charles A. Stott, '59, '60, *'69.

SAMUEL A. MCPHETRES, City Clerk.**COMMON COUNCIL:****WARD 1.**

John H. Durgin, Jr., '69.

Benjamin Patch, '69.

Patrick Keyes, '69.

Samuel G. Ladd.

WARD 2.

Phineas Jones, '69.

John L. Moulton.

Patrick Cummiskey.

David G. Skillings.

WARD 3.

Albert A. Haggett, '68, '69, President.

Henry P. Perkins, '60, '61.

Hocum Hosford, '60, *'61, †'62, †'63,

†'64, *'67, declined.

Matthew Donovan.

John L. Meadowcroft, elected Jan. 24.

WARD 4.

Epaphras A. Hill, '69.

Henry P. Carter, '69.

Simeon G. Lyford, '69.

Michael Corbett.

WARD 5.

William O. Fiske, '69.

Willard A. Brown, '69.

James D. Hartwell.

Jeremiah Crowley.

WARD 6.

Alpha B. Farr, '58, '69.

William Kittredge, '67, '69.

Lucian P. Stacy, '55, '69.

John Stott.

GEORGE GARDNER, Clerk.**1871.****MAYOR:****EDWARD F. SHERMAN**, *'70.**ALDERMEN:**

Frank F. Battles, *'70.

William F. Salmon, '58, '59, †'60.

John W. Smith, '49, '50.

Amos B. French, *'70.

Albert A. Haggett, '68, '69, †'70.

Henry C. Howe, '53, '54.

Frederick Ayer.

Addison Putnam, '64, *'70.

SAMUEL A. MCPHETRES, City Clerk.**COMMON COUNCIL:****WARD 1.**

John H. Durgin, Jr., '69, '70.

Samuel G. Ladd, '70.

Francis N. J. Haviland.

Joel Knapp.

WARD 2.

William Dobbins, '67.

John L. Moulton, '70.

Patrick Cummiskey, '70.

Amos A. Blanchard.

WARD 3.

Henry P. Perkins, '60, '61, '70, President.

John L. Meadowcroft, '70.

Horace Ela.

Julius C. Jockow.

WARD 4.

Benjamin Walker, '65, '66.

Michael Corbett, '70.

Francis H. Chandler.

Charles T. Goddard.

WARD 5.

Jeremiah Crowley, '70.

Crawford Burnham.

Henry C. Church.

Patrick Lynch.

WARD 6.

Leonard Brown, '53, '54, '58, '59.

John Stott, '70.

Abel T. Atherton.

Nathaniel C. Sanborn.

GEORGE GARDNER, Clerk.

1872.**MAYOR:****JOSIAH G. PEABODY**, *'50, '59, '60, †'65, †'66.**ALDERMEN:**

Henry C. Howe, '53, '54, *'71.

Frederick T. North, '65, '66, '67.

Alexander G. Cumnock.

Benjamin Walker, '65, '66, '71.

Benjamin Patch, '69, '70.

William Kelley, '68, '69.

Gustavus A. Gerry, '65, †'66, †'67.

Alpha B. Farr, '58, '69, '70.

SAMUEL A. MCPHETRES, City Clerk.**COMMON COUNCIL:****WARD 1.**

John E. Webb, '58, '59.

Alonzo F. Caswell.

Southwell Farrington.

True P. Jordan.

WARD 2.

Leonard Brown, '53, '54, '58, '59, '71.

Amos A. Blanchard, '71.

Joseph S. Brown.

Earl A. Thissell.

WARD 3.

Henry P. Perkins, '60, '61, '70, †'71, Pres.

Horace Ela, '71.

Julius C. Jockow, '71.

Charles F. Tilton.

WARD 4.

Nathaniel P. Favor.

Nathan W. Frye.

Henry A. Lord.

Alonzo L. Russell.

WARD 5.

Crawford Burnham, '71.

Charles F. Belden.

Luther J. Eames.

William Shepard.

WARD 6.

Abel T. Atherton, '71.

Nathaniel C. Sanborn, '71.

Samuel M. Chase.

Julian Talbot.

GEORGE GARDNER, Clerk.**1873.****MAYOR:****FRANCIS JEWETT**, '64, '65, *'68, *'69.**ALDERMEN:**

Jonathan P. Folsom, '56, *'59, *'61, *'62, '67, †'69, †'70.

Charles A. F. Swan, elected January 14.

George Runels, '62, *'64.

Jacob H. Sawyer.

Edward Tuck, *'56, '58, *'59, declined.

Jeremiah Crowley, '70, '71.

Isaac Farrington, '46, '47, declined.

Alpha B. Farr, '58, '69, '70, *'72.

William Dobbins, '67, '71, elected Jan. 14.

George Stevens.

SAMUEL A. MCPHETRES, City Clerk.**COMMON COUNCIL:****WARD 1.**

John E. Webb, '58, '59, '72.

Alonzo F. Caswell, '72.

Frank Brady.

Stephen J. Smiley.

WARD 2.

Joseph S. Brown, '72.

Earl A. Thissell, '72.

Daniel Stickney.

Edward P. Woods.

WARD 3.

Albert A. Haggett, '68, '69, †'70, *'71, Pres.

Charles F. Tilton, '72, resigned March 1.

William Bass.

James Owens.

James A. Loughlin, elected April 8.

WARD 4.

Atwell F. Wright, '63, '64.

Nathaniel P. Favor, '72.

Nathan W. Frye, '72.

Henry A. Lord, '72.

WARD 5.

Robert H. Butcher, '66.

Charles F. Belden, '72.

Jared P. Maxfield.

George Smith.

WARD 6.

Nathaniel C. Sanborn, '71, '72.

Samuel M. Chase, '72.

George W. S. Hurd.

Artemas S. Tyler.

GEORGE GARDNER, Clerk.

1874.**MAYOR:****FRANCIS JEWETT, '64, '65, *'68, *'69, † '73.****ALDERMEN:**

Jeremiah Crowley, '70, '71, *'73.

Jonathan Kendall, '42, '44, '52.

Benjamin Walker, '65, '66, '71, *'72.

George L. Huntoon, '66, '67.

Alonzo F. Caswell, '72, '73.

Nathaniel C. Sanborn, '71, '72, '73.

Joseph S. Brown, '72, '73.

George Stevens, *'73.

SAMUEL A. McPHETRES, City Clerk.**COMMON COUNCIL:****WARD 1.**

Charles A. Welch, '57.

Frank Brady, '73.

Stephen J. Smiley, '73.

Charles H. Harvey.

WARD 2.

Daniel Stickney, '73.

Edward P. Woods, '73.

Charles J. Eastman.

Edward E. Reed.

WARD 3.

Julius C. Jockow, '71, '72.

James Owens, '73.

James A. Loughlin, '73.

George W. Tilton.

WARD 4.

Charles T. Goddard, '71.

Nathan W. Frye, '72, '73, President.

Jacob H. Sawyer, *'73.

Julian A. Richardson.

WARD 5.

Jared P. Maxfield, '73.

John B. Lyford,

Samuel P. Marin.

John Scott.

WARD 6.

George W. S. Hurd, '73.

Joel A. Abbott.

Thomas Carolin.

Jason Fuller.

GEORGE GARDNER, Clerk, died May 29.**DAVID CHASE, Clerk, elected June 4.****1875.****MAYOR:****FRANCIS JEWETT, '64, '65, *'68, *'69, † '73, †, '74.****ALDERMEN:**

Benjamin Walker, '65, '66, '71, *'72, *'74.

Hapgood Wright, '45, '46, *'56, *'69.

Jacob Rogers.

James Owens, '73, '74.

John A. Goodwin.

Alden B. Richardson.

Joseph S. Brown, '72, '73, *'74.

Samuel A. Chase.

SAMUEL A. McPHETRES, City Clerk.**COMMON COUNCIL:****WARD 1.**

Charles A. Welch, '57, '74.

Charles H. Harvey, '74.

John F. Howard.

John W. Welch.

WARD 2.

Earl A. Thissell, '72, '73.

Edward E. Reed, '74.

William A. Read.

Leavitt R. J. Varnum.

WARD 3.

Albert A. Haggett, '68, '69, † '70, *'71.

George W. Tilton, '74. [† '73, Pres.]

Charles Cowley.

Thomas R. Garity.

WARD 4.

Josiah Butler.

Francis Carll.

Edward P. Dennis.

Edward Stockman.

WARD 5.

James D. Hartwell, '70.

John B. Lyford, '74.

Orford R. Blood.

Charles W. Sleeper.

WARD 6.

Joel A. Abbott, '74.

Thomas Carolin, '74.

Jason Fuller, '74.

Albert D. Wright.

DAVID CHASE, Clerk.

1876.**MAYOR:****CHARLES A. STOTT, '59, '60, *'69, *'70.****ALDERMEN:**

Jacob Rogers, *'75.	Henry A. Hildreth.
John A. Goodwin, *'75.	George E. Stanley.
Albert A. Haggett, '68, '69, ‡'70, *'71,	Francis Carll, '75.
Charles F. Belden, '72, '73.	William H. Wiggin, '57.

SAMUEL A. McPHETRES, City Clerk.**COMMON COUNCIL:****WARD 1.**

John W. Welch, '75.
 Lewis Stiles.
 Daniel W. Manning.
 David M. Collins, '56, declined.
 John F. Howard, '75, elected January 11.

WARD 2.

Leavitt R. J. Varnum, '75.
 Charles E. Hallowell.
 Charles Callahan.
 William A. Read, '75.

WARD 3.

Charles Cowley, '75.
 Charles H. Kimball.
 Charles Runels.
 James Howard, died after election.
 William H. Grady, elected January 11.

WARD 4.

Edward Suckman, '75, resigned May 23.
 Gardner W. King.
 Stephen H. Jones.
 Charles D. Starbird.
 James W. Bennett, elected June 22.

WARD 5.

Orford R. Blood '75.
 John F. Kimball, President from May 23.
 Charles H. Hanson.
 M. Gilbert Perkins, '61, '67.

WARD 6.

Edwin Sanborn.
 Benjamin C. Dean, Pres., resig'd May 23.
 Charles H. Walker.
 John J. Pickman.
 Willis Farrington, elected June 22.

DAVID CHASE, Clerk.**1877.****MAYOR:****CHARLES A. STOTT, '59, '60, *'69, *'70, †'76.****ALDERMEN:**

Jeremiah Crowley, '70, '71, *'73, *'74.	Orford R. Blood, '75, '76, seat vacated.
Horace R. Barker.	Stephen B. Puffer, declined el. January 2.
George E. Stanley, *'76.	Robert Park.
Charles H. Kimball '76.	George E. Pinkham, '69.
George P. Walker.	

SAMUEL A. McPHETRES, City Clerk.**COMMON COUNCIL:****WARD 1.**

Daniel W. Manning, '76.
 Lewis Stiles, '76.
 John Courtney.
 Frank Brady, '73, '74, resig'ed March 27.
 Jared P. Maxfield, '73, '74, elected May 8.

WARD 2.

Charles E. Hallowell, '76.
 Francis D. Munn, '68, '69.
 Charles H. Robbins.
 Oliver M. Harding.

WARD 3.

William H. Grady, '76.
 Patrick Lynch.
 Simon Kelly.
 George E. Davis.

WARD 4.

Gardner W. King, '76.
 James W. Bennett, '76.
 Irving K. Goodale.
 Orlando Blodgett.

WARD 5.

John F. Kimball, ‡'76.
 Charles H. Hanson '76.
 Peter S. Coburn.
 Robert Goulding.

WARD 6.

Edwin Sanborn, '76.
 John J. Pickman, '76.
 Charles H. Walker, '76.
 Augustus E. Spaulding, dec. January 10
 George S. Cushing, elected February 6.

DAVID CHASE, Clerk.

1878.**MAYOR:****JOHN A. G. RICHARDSON.****ALDERMEN:**

Stephen B. Puffer, *'77.

Robert Park, *'77.

Horace R. Barker, *'77.

George F. Scribner, '57.

George E. Scripture.

Joseph S. Pollard, '64, '65, [*'77.

Jeremiah Crowley, '70, '71, *'73, *'74.

Nathaniel C. Sanborn, '71, '72, '73, *'74.

SAMUEL A. MCPHETRES, City Clerk.**COMMON COUNCIL:****WARD 1.**

John Courtney, '77.

John J. Mealey.

Joseph M. Ambrose.

Charles H. Harvey, '74, '75.

WARD 2.

Oramel A. Brigham.

Edward M. Tucke.

William W. Clark.

Albert W. Monty.

WARD 3.

Simon Kelly, '77.

Edward Cawley.

Henry P. Morris.

Samuel D. Butterworth.

WARD 4.

Irving K. Goodale, '77.

Orlando Blodgett, '77.

Robert G. Bartlett.

Stephen H. Jones, '76.

WARD 5.

Robert Goulding, '77.

Peter S. Coburn, '77.

John F. Kimball, ‡ '76, ‡ '77, President.

Enos O. Kingsley, '56.

WARD 6.

George S. Cushing, '77.

Eli W. Hoyt.

Luke B. Taylor.

Miles F. Brennan, to January 22.

Thomas Nesmith, from January 22.

DAVID CHASE, Clerk.**1879.****MAYOR:****JOHN A. G. RICHARDSON, † '78.****ALDERMEN:**

Horace R. Barker, *'77, *'78.

Charles A. R. Dimon.

Joseph S. Pollard, '64, '65, *'78.

Charles S. Lilley.

George E. Scripture, *'78.

George F. Scribner, '57, *'78.

Charles F. Howe.

Robert Goulding, '77, '78.

SAMUEL A. MCPHETRES, City Clerk.**COMMON COUNCIL:****WARD 1.**

Joseph M. Ambrose, '78.

John O'Donnell.

James Kelly.

Richard J. Noonan.

WARD 2.

Albert W. Monty, '78.

Charles H. Richardson.

William K. Chase, resigned November 25.

Edwin A. Robinson.

Edward M. Tucke, '78, elected Dec. 9.

WARD 3.

Edward Cawley, '78.

Henry P. Morris, '78.

William T. Benson.

Patrick A. Rogers.

WARD 4.

Robert G. Bartlett, '78.

Fred Woodies.

Charles F. Varnum.

Charles E. Farrington.

WARD 5.

Albert W. Burnham.

Ambrose L. Ready.

Joseph M. Wilson.

Edward B. Peirce, President

WARD 6.

Eli W. Hoyt, '78.

Luke B. Taylor, '78.

Major A. Shaw.

Miles F. Brennan, '78.

DAVID CHASE, Clerk.

1880.**MAYOR:****FREDERIC T. GREENHALGE, '68, '69.****ALDERMEN:**

James D. Hartwell, '70, '75.
 Atwill F. Wright, '63, '64.
 Charles H. Richardson.
 Edwin Lamson, '68, '69.

Isaac F. Scripture, *'62, *'63.
 Robert Wood.
 Charles H. Coburn.
 James C. Abbott.

SAMUEL A. MCPHETRES, City Clerk.**COMMON COUNCIL:****WARD 1.**

James Kelly, '79.
 Richard J. Noonan, '79.
 Thomas J. Flynn.
 Lawrence Cummings.

WARD 2.

Edwin A. Robinson, '79.
 Wilbur L. Bates.
 Samuel W. Foster.
 Earl A. Thissell, '72, '73, '75, President.

WARD 3.

Peter H. Donohoe.
 William T. Benson, '79.
 Patrick A. Rogers, '79.
 Frank Wood.

WARD 4.

Fred Woodies, '79.
 Charles F. Varnum, '79.
 Charles E. Farrington, '79.
 Charles D. Starbird, '76.

WARD 5.

Joseph M. Wilson, '79.
 Ambrose L. Ready, '79.
 Samuel Hosmer.
 Edward B. Peirce, ‡ '79.

WARD 6.

Benjamin F. Freeman.
 J. Tyler Stevens.
 Charles C. Hutchinson.
 Henry C. Cooper.

DAVID CHASE, Clerk.**1881.****MAYOR:****FREDERIC T. GREENHALGE, '68, '69, † '80.****ALDERMEN:**

Charles H. Richardson, *'80.
 Isaac F. Scripture, *'62, *'63, *'80.
 Robert Wood, *'80.
 Ambrose L. Ready, '79, '80.

Levi Sprague, '59, '64.
 Julius A. Stiles.
 Samuel D. Butterworth, '78.
 Thomas R. Garity, '75.

SAMUEL A. MCPHETRES, City Clerk.**COMMON COUNCIL:****WARD 1.**

Thomas J. Flynn, '80.
 Lawrence Cummings, '80.
 Robert J. Thomas.
 Jeremiah J. Hayes.

WARD 2.

Zachariah D. Hall.
 James M. Howe, '57, '59.
 Hubert M. Potter.
 Moses Gibson.

WARD 3.

Frank Wood, '80.
 Peter H. Donohoe, '80.
 John E. Maguire.
 D. Moody Prescott.

WARD 4.

Julius C. Johnson.
 Stephen C. Davis.
 Edward Garner.
 William N. Osgood.

WARD 5.

Atkinson C. Varnum.
 Samuel Hosmer, '80.
 Samuel P. Marin, '74.
 Albert W. Burnham, '79.

WARD 6.

Charles C. Hutchinson, '80.
 Albert G. Thompson.
 Thomas Nesmith, '78.
 Lawrence J. Smith.

DAVID CHASE, Clerk.

1882.**MAYOR:****GEORGE RUNELS, '62, *'64.****ALDERMEN:**

Thomas R. Garity, '75, *'81, Chairman. D. Moody Prescott, '81.
 * Charles W. Sleeper. George S. Cushing, '77, '78.
 George B. Smith. John F. Phillips.
 William A. Wright, '63, '66. † John Welch.
 David Whitaker.

‡ SAMUEL A. McPIETRES, City Clerk. § DAVID W. O'BRIEN, City Clerk.

* Resigned, May 23; special election to fill vacancy, June 20.

† Elected June 20, to fill vacancy.

‡ Died Sept. 23, 1882

§ Elected Oct. 4, 1882.

COMMON COUNCIL:**WARD 1.**

Robert J. Thomas, '81.
 Jeremiah J. Hayes, '81.
 Dennis J. Crowley.
 John A. Walsh.

WARD 2.

Zachariah D. Hall, '81.
 James M. Howe, '57, '59, '81.
 Moses Gibson, '81.
 James F. Puffer, Jr.

WARD 3.

Frank Wood, '80, '81.
 John E. Maguire, '81.
 John J. Mead.
 James Grady.

WARD 4.

Julius C. Johnson, '81.
 Stephen C. Davis, '81.
 Edward Garner.
 William N. Osgood, '81, President.

WARD 5.

Atkinson C. Varnum, '81.
 Albert W. Burnham, '79, '81.
 Artemas B. Woodworth.
 Horace B. Barnes.

WARD 6.

Albert G. Thompson, '81.
 Lawrence J. Smith, '81.
 Thaddeus S. Cobb.
 Miles J. Fletcher.

DAVID CHASE, Clerk.

1883.**MAYOR:****JOHN J. DONOVAN.****ALDERMEN:**

John F. Phillips, *'82, Chairman. D. Moody Prescott, '81, *'82.
 George B. Smith, *'82. George W. Fifield.
 Robert J. Thomas, '81, '82. John Welch, *'82.
 David Whitaker, *'82. Miles J. Fletcher, '82.

DAVID W. O'BRIEN, City Clerk.

COMMON COUNCIL:**WARD 1.**

Dennis J. Crowley, '82.
 John J. Hogan.
 James H. Cahill.
 Daniel Murphy.

WARD 2.

Samuel Lawrence, '50.
 Joseph S. Brown, '72, '73, *'74, *'75.
 Albert W. Monty, '78, '79.
 John F. Thissell.

WARD 3.

James Grady, '82.
 John J. Mead, '82.
 Patrick J. Smith.
 Frank J. Donohue.

WARD 4.

James G. Elliott.
 Solomon K. Dexter.
 Alonzo L. Russell, '72.
 Geo. A. Bennett.

WARD 5.

Edward B. Pierce, ‡ '79, '80.
 Artemas B. Woodworth, '82.
 John P. Mahoney.
 George L. Ashworth.

WARD 6.

Lawrence J. Smith, '81, '82.
 Thaddeus S. Cobb, '82.
 J. Frank Page.
 Michael F. Clark.

DAVID CHASE, Clerk.

1884.**MAYOR:****JOHN J. DONOVAN, † '83.****ALDERMEN:**

Robert J. Thomas, '81, '82, *'83, Chair'n.	Jeremiah Crowley, '79, '71, *'73, *'74, *'77, *'78.
Miles J. Fletcher, '82, *'83.	
George W. Fifield, '83.	Peter H. Donohoe, '80, '81.
Thaddeus S. Cobb, '82, '83.	Freeman B. Shedd.
Edward B. Quinn.	

DAVID W. O'BRIEN, City Clerk.**COMMON COUNCIL:****WARD 1.**

John J. Hogan, '83, President.
 James H. Cahill, '83.
 Daniel Murphy, '83.
 James H. Morrison.

WARD 2.

Joseph S. Brown, '72, '73, *'74, *'75, '83.
 Albert W. Monty, '78, '79, '83.
 Earl A. Thissell, '72, '73, '75, † '80.
 John R. Pike.

WARD 3.

Patrick J. Smith, '83.
 Peter J. Brady.
 Thomas J. Sparks.
 John Nolan.

WARD 4.

James G. Elliott, '83.
 Solomon K. Dexter, '83.
 Alonzo L. Russell, '72, '83.
 George A. Bennett, '83.

WARD 5.

Edward B. Peirce, † '79, '80, † '83.
 George L. Ashworth,
 Joseph M. Wilson, '79, '80.
 James S. Hanson.

WARD 6.

J. Frank Page, '83.
 Michael F. Clark, '83.
 Alfred M. Chadwick.
 Marcellus H. Fletcher.

DAVID CHASE, Clerk.**1885.****MAYOR:****EDWARD J. NOYES.****ALDERMEN:**

John F. Phillips, *'82, *'83, Chairman.	James D. Hartwell, '70, '75, *'80.
John F. Howe, '57, '58, *'59.	George F. Penniman.
William D. Brown.	Oliver E. Cushing.
George E. Stanley, *'76, *'77.	James Francis.

SAMUEL M. CHASE, City Clerk.**COMMON COUNCIL:****WARD 1.**

Patrick H. Plunkett.
 James H. Morrison, '84.
 Thomas J. Enright.
 Henry F. Keyes.

WARD 2.

George W. Brothers.
 Walter M. Sawyer.
 James R. Fulton.
 Francis D. Munn, Jr.

WARD 3.

Peter J. Brady, '84.
 Patrick J. Smith, '83, '84.
 John Nolan, '84.
 Thomas J. Sparks, '84.

WARD 4.

Arnold S. Welch.
 George A. Roper.
 William A. Lang.
 Frank W. Howe.

WARD 5.

Wilson W. Carey.
 James S. Hanson, '84.
 Henry L. Newhall.
 Elwyn W. Lovejoy.

WARD 6.

Alfred M. Chadwick, '84, President.
 George R. Richardson.
 Luke B. Taylor, '78, '79.
 William H. White.

DAVID CHASE, Clerk.

1886.**MAYOR:****JAMES C. ABBOTT.****ALDERMEN:**

Jeremiah Crowley, '70, '71, *'73, *'74, *'77, *'78, *'84, Chairman.	Daniel Wright. Samuel D. Butterworth, *'78, *'81.
John F. Phillips, *'82, *'83, *'85.	George F. Penniman, *'85.
Stephen B. Puffer, *'77, *'78.	James Francis, *'85.
George E. Stanley, *'76, *'77, *'85.	

SAMUEL M. CHASE, City Clerk.**COMMON COUNCIL:****WARD 1.**

Peter B. Sherlock.
Patrick H. Plunkett, '85.
Thomas J. Enright, '85.
Timothy H. Brennan.

WARD 2.

Walter M. Sawyer, '85, President.
Charles H. Richardson, '79.
James R. Fulton, '85.
Francis D. Munn, Jr., '85.

WARD 3.

Daniel Cleary.
Patrick J. Mahan.
Edward D. McVey.
Thomas J. Sparks, '84, '85.

WARD 4.

Arnold S. Welch, '85.
George A. Roper, '85.
Frank W. Howe, '85.
William A. Lang, '85.

WARD 5.

Henry L. Newhall, '85.
Elwyn W. Lovejoy, '85.
Wilson W. Carey, '85.
Roswell M. Boutwell, '85.

WARD 6.

Lawrence J. Smith, '81, '82, '83.
John E. Drury.
Charles H. Hobson.
Marcellus H. Fletcher, '84.

DAVID CHASE, Clerk.**1887.****MAYOR:****JAMES C. ABBOTT, † '86.****ALDERMEN:**

Stephen B. Puffer, *'77, *'78, *'86, Chair'n.	Peter H. Donohoe, '80, 81, *'84.
Nathan D. Pratt.	Miles J. Fletcher, '82, *'83, *'84.
Francis C. Plunkett.	Frederick Frye, '62, '63, *'68.
August Fels.	Marcellus H. Fletcher, '84, '86.

DAVID W. O'BRIEN, City Clerk.**COMMON COUNCIL:****WARD 1.**

Michael J. Garvey.
Dennis A. Sullivan.
Daniel Murphy, '83, '84.
Dennis J. Leary.

WARD 2.

Walter M. Sawyer, † '86.
Charles H. Richardson, '79, '86.
George C. Evans.
Horace P. Beals.

WARD 3.

George B. McKenna.
John Nolan, '84, '85.
Daniel Cleary, '86.
Patrick J. Smith, '83, '84, '85.

WARD 4.

Millard F. Wright.
Edmund B. Conant.
Jesse H. Shepard.
Richard Dobbins.

WARD 5.

Roswell M. Boutwell, '86.
George W. Brothers, '85.
Clarence G. Coburn.
James H. Carmichael, President.

WARD 6.

Richard B. Allen.
John E. Drury, '86.
Patrick Conlon.
Edward Gallagher.

WILLIAM J. COUGHLIN, Clerk.

1888.**MAYOR:****CHARLES D. PALMER.****ALDERMEN:**

George A. Scribner.
George E. Putnam.
Charles Runels, '76.
Charles E. Carter.
Edward D. Holden.

Arthur Staples.
Roswell M. Boutwell, '86, '87.
Alfred M. Chadwick, '84, †'85, Chairm'n.

GIRARD P. DADMAN, City Clerk.**COMMON COUNCIL:****WARD 1.**

Dennis A. Sullivan, '87.
Dennis J. Leary, '87.
Daniel Murphy, '83, '84, '87.
Michael J. Garvey, '87.

WARD 2.

Frank J. Sherwood.
Horace P. Beals, '87.
Harry E. Shaw.
Pierre A. Brousseau.

WARD 3.

John F. Rogers.
Owen M. Donohoe.
Thomas J. Sparks, '84, '85, '86.
*John F. Roane.
† Patrick H. Brosnahan.
*Resigned Aug. 9. Special Election to fill vacancy Sept. 18.
† Elected Sept. 18 to fill vacancy.

WARD 4.

*Millard F. Wright, '87.
Edmund B. Conant, '87, President.
Jesse H. Shepard, '87.
Richard Dobbins, '87.
† Alonzo G. Walsh.
*Resigned April 24. Special Election to fill vacancy June 5.
† Elected June 5 to fill vacancy.

WARD 5.

Charles C. Hartwell.
Clarence G. Coburn, '87.
George W. Brothers, '85.
Joseph S. Lapierre.

WARD 6.

William E. Westall.
Frank Brown.
Richard B. Allen, '87.
Abbott Lawrence.

DAVID CHASE, Clerk.**1889.****MAYOR:****CHARLES D. PALMER, † '88.****ALDERMEN:**

George A. Scribner, *'88.
Walter M. Sawyer, '85, †'86, '87.
George E. Putnam, *'88.
Edward D. Holden.

Roswell M. Boutwell, '86, '87, *'88, Ch'n.
John H. Fuller.
William F. Senter.
John E. Drury, '86, '87.

GIRARD P. DADMAN, City Clerk.**COMMON COUNCIL:****WARD 1.**

Patrick J. Savage.
Joseph H. Callahan.
Daniel H. Courtney.
William J. Johnson.

WARD 2.

*Samuel C. George.
Pierre A. Brousseau, '88.
Arthur H. Cluer.
Frank J. Sherwood, '88.
† James Stuart Murphy.
*Res'd June 9. †Ele. July 2, to fill vacancy.

WARD 3.

Owen M. Donohoe, '88.
Stephen Garrity.
Patrick H. Brosnahan, '88.
Thomas J. Sparks, '84, '85, '86, '88.

WARD 4.

B. Frank Hale.
Edwards Cheney.
Alonzo G. Walsh, '88.
Frank Gray.

WARD 5.

Orford R. Blood, '75, '76.
Charles C. Hartwell, '88.
Henry W. Ladd.
Henry J. Draper.

WARD 6.

William E. Westall, '88, President.
Abbott Lawrence, '88.
Albert Crowell.
Frank Brown, '88.

DAVID CHASE, Clerk.

1890.**MAYOR:****CHARLES D. PALMER,** '88, † '89.**ALDERMEN:**

Albert D. Carter.
 Watson A. Dickinson.
 John E. Drury, '86, '87, *'89.
 Edmund D. Fletcher.

John H. Fuller, *'89, Chairman.
 Walter M. Sawyer, '85, † '86, '87, *'89.
 Samuel E. Snow.
 Joseph M. Wilson, '79, '80, '84.

GIRARD P. DADMAN, City Clerk.**COMMON COUNCIL:****WARD 1.**

Joseph H. Callahan, '89.
 Daniel H. Courtney, '89.
 William J. Johnson, '89.
 Patrick J. Savage, '89.

WARD 2.

Newell Abare.
 Arthur H. Cluer, '89.
 Walter C. Coburn.
 James Stuart Murphy, '89.

WARD 3.

Patrick H. Brosnahan, '88, '89.
 Robert C. Gallagher.
 Charles L. Marren.
 Thomas J. Sparks, '84, '85, '86, '88, '89.

WARD 4.

Edwards Cheney, '89.
 Frank Gray, '89.
 B. Frank Hale, '89.
 Alonzo G. Walsh, '88, '89, President.

WARD 5.

Orford R. Blood, '75, '76, '89.
 Herbert M. Jacobs.
 Henry W. Ladd, '89.
 Louis P. Turcotte.

WARD 6.

Albert Crowell, '89.
 Daniel D. Driscoll.
 James Gookin.
 Edward F. Spalding.

DAVID CHASE Clerk.**1891.****MAYOR:****GEORGE W. FIFIELD,** *'83, *'84.**ALDERMEN:**

Richard B. Allen, '86, '87.
 James W. Cassidy.
 Jeremiah Crowley, '70, '71, *'73, *'74, *'77,
 *'78, *'84, *'86, Chairman.
 Watson A. Dickinson, *'90.

Thomas J. Enright, '85, '86.
 George H. Frye.
 Stephen B. Puffer, *'77, *'78, *'86, *'87.
 George F. Tilton.

MICHAEL J. DOWD, City Clerk.**COMMON COUNCIL:****WARD 1.**

Patrick H. Barry.
 James F. Doherty.
 John J. Sullivan.
 Peter F. Garrity.

WARD 2.

Newell Abare, '90.
 Adolphe Benard.
 Walter C. Coburn, '90.
 George H. Marston.

WARD 3.

Patrick J. Baxter.
 John J. Gilbride.
 Charles H. Marren, '90.
 Thomas J. Sparks, '84, '85, '86, '88, '89,
 '90, President.

WARD 4.

Edwin L. Giles.
 Fred Horne.
 Wallace G. Parkin.
 Eugene C. Wallace.

WARD 5.

Herbet M. Jacobs, '90.
 George D. Kimball.
 John A. Speirs.
 Louis P. Turcotte, '90.

WARD 6.

James A. Cawley.
 James J. Dolan.
 Daniel D. Driscoll, '90.
 James Gookin, '90.

DAVID CHASE, Clerk.

1892.**MAYOR:****GEORGE W. FIFIELD, *'83, *'84, † '91.****ALDERMEN:**

Samuel D. Butterworth, *'78, *'81, *'86. Stephen J. Johnson.
 James W. Cassidy, *'91. Freeman W. Puffer.
 William J. Coughlin. Frank E. Stowell.
 Albert A. Haggett, '68, '69, † '70, *'71, Charles F. Varnum, '79, '80.
 *'76, Chairman.

MICHAEL J. DOWD, City Clerk.**COMMON COUNCIL****WARD 1.**

John Brunette.
 James O'Neill,
 Joseph O'Rourke.
 John J. Sullivan, '91.

WARD 2.

Adolphe Benard, '91.
 George H. Marston, '91.
 Frank Scott.
 Hugh A. Thompson.

WARD 3.

Patrick J. Baxter, '91.
 John J. Gilbride, '91.
 Thomas J. Sparks, '84, '85, '86, '88, '89,
 '90, † '91, President.
 William H. Stafford.

WARD 4.

Edwin L. Giles, '91.
 Fred Horne, '91.
 Wallace G. Parkin, '91.
 Moses Wyman.

WARD 5.

Constant Henotte.
 Patrick H. Kehoe.
 Joseph A. McDonald.
 Charles W. Swan.

WARD 6.

William T. Benson, '79, '80.
 James J. Dolan, '91.
 Thomas F. Hoban.
 Michael F. McCarthy.

DAVID CHASE, Clerk.**1893.****MAYOR:****JOHN J. PICKMAN, '76, '77.****ALDERMEN:**

George R. Choate. Freeman W. Puffer, *'92.
 George C. Evans, '87. Stephen B. Puffer, *'77, *'78, *'86, *'87,
 Stephen J. Johnson, *'92. *'91.
 Elwyn W. Lovejoy, '85, '86. William E. Westall, '88, † '89, Chairman.
 Joseph A. McDonald, '92.

MICHAEL J. DOWD, City Clerk.**COMMON COUNCIL:****WARD 1.**

John Brunette, '92.
 Patrick J. O'Brien.
 James O'Neill, '92.
 Fred H. Rourke.

WARD 2.

Charles H. Boisvert.
 Frank Scott, '92.
 Hugh A. Thompson, '92.
 George H. Tryder.

WARD 3.

Frank Dunlap.
 John J. Grady.
 John Joseph O'Connor.
 William H. Stafford, '92.

WARD 4.

George E. Barclay.
 William J. Hills.
 Charles T. Killpartrick.
 Moses Wyman, '92.

WARD 5.

Cyrille Constantineau.
 Patrick J. Custy.
 Charles H. Noble.
 James O'Sullivan.

WARD 6.

William T. Benson, '79, '80, '92, Pres.
 James J. Dolan, '91, '92.
 Thomas F. Hoban, '92.
 Anthony Robinson.

FRANK J. SIMONDS, Clerk.

1894.**MAYOR:****JOHN J. PICKMAN, '76, '77, † '93.****ALDERMEN:**

Charles N. Bagley.
 Watson A. Dickinson, *'90, *'91.
 Frank Dunlap, '93.
 Coolidge R. Johnson.
 Stephen J. Johnson, *'92, *'93.

Elwyn W. Lovejoy, '85, '86, *'93, Chair-
 man.
 George E. Stanley, *'76, *'77, *'85, *'86.
 William E. Westall, '88, † '89, *'93.

MICHAEL J. DOWD, City Clerk.**COMMON COUNCIL:****WARD 1.**

Matthew M. Mansfield.
 Patrick J. O'Brien, '93.
 Fred H. Rourke, '93.
 John J. Ryan.

WARD 2.

J. Henry Collins.
 John G. Gordon.
 Fred W. Sanborn.
 George H. Tryder, '93.

WARD 3.

Joseph H. Gormley.
 John J. O'Connell.
 John Joseph O'Connor, '93.
 Thomas J. Sparks, '84, '85, '86, '88, '89,
 '90, † '91, † '92, President.

WARD 4.

George E. Barclay, '93.
 William L. Hills, '93.
 Charles T. Killpartrick, '93.
 Luther F. Kittredge.

WARD 5.

Patrick J. Cesty, '93.
 Frederick E. Labarge.
 Charles H. Noble, '93.
 John Oliver.

WARD 6.

William T. Benson, '79, '80, '92, † '93,
 Died May 21, 1894.
 William F. Curtin.
 Charles Riley.
 Anthony Robinson, '93.
 Thomas O'Day, Elected July 17, '94.

FRANK J. SIMONDS, Clerk.**1895.****MAYOR:****WILLIAM F. COURTNEY.****ALDERMEN:**

Frank B. Dow.
 Frederic J. Flemings.
 William L. Hills, '93, '94.
 Charles E. Howe.

George H. Tryder, '93, '94.
 Daniel H. Varnum, Chairman.
 John C. Wilson.
 Moses Wyman, '92, '93.

GIRARD P. DADMAN, City Clerk.**COMMON COUNCIL:****WARD 1.**

Patrick H. Barry, '91.
 Thomas F. Garvey.
 Hugh Maguire, Jr.,
 Matthew M. Mansfield.

WARD 2.

Edwin S. Eastman.
 William Hounsell.
 Willis E. Morse.
 Fred W. Sanborn, '94.

WARD 3.

Patrick F. Delehanty.
 Joseph H. Gormley, '94.
 James F. Miskella.
 Timothy J. Reynolds.

WARD 4.

David Dickson.
 Edward T. Goward.
 Jonathan G. Hunton.
 Herbert E. Webster.

WARD 5.

Eugene E. Dennison.
 George W. Hartwell.
 John Oliver.
 Francis P. Rivet.

WARD 6.

William F. Curtin, '94, President.
 Thomas O'Day, '94.
 Charles Riley, '94.
 John E. Sullivan.

FRANK J. SIMONDS, Clerk.

1896.**MAYOR:****WILLIAM F. COURTNEY, † '95.****ALDERMEN:**

Jeremiah Crowley, '70, '71, *'73, *'74, *'77, *'78, *'84, *'86, Chairman.	John H. McAlvin.
Frank B. Dow, *'95.	James A. Pevey.
Frederic J. Flemings, *'95.	George H. Tryder, '93, '94, *'95.
Charles E. Howe, *'95.	Edward M. Tucke.
	John C. Wilson, *'95.

GIRARD P. DADMAN, City Clerk.**COMMON COUNCIL:****WARD 1.**

William Hounsell, '95, ward 2.
Jonathan G. Hunton, '95, ward 4.
Homer B. Nay.

WARD 2.

William J. Dunn.
Hugh Maguire, Jr., '95, ward 1.
Dennis J. Pendergast.

WARD 3.

David Dickson, '95, ward 4.
Frank H. Hallett.
Herbert M. Jacobs, '90, '91, ward 5.

WARD 4.

James F. Miskella, '95, ward 3.
Stephen O'Hare.
Timothy J. Reynolds, '95, ward 3.

WARD 5.

John P. O'Hare.
John E. Sullivan, '95, ward 6.
Charles E. Thornton.

WARD 6.

William E. Badger.
Sidney Drewett.
Edwin S. Eastman.

WARD 7.

George W. Hartwell, '95, ward 5.
Francis P. Rivet, '95, ward 5.
Lorenzo E. Smith.

WARD 8.

Fred A. George.
William H. Penn.
Herbert E. Webster, '95, ward 4, **Pres't.**

WARD 9.

Charles A. Eveleth. Henry K. White.
Carl G. A. F. W. E. Pihl.

FRANK N. OWEN, Clerk.**1897.****MAYOR:****WILLIAM F. COURTNEY, † '95, † '96.****ALDERMEN:**

Charles H. Cosgrove.	Charles E. Howe, *'95, *'96, Chairman.
Lucius A. Derby.	Abbott Lawrence, '88, '89.
Edwin S. Eastman, '95, '96.	Edward B. Pierce, †'79, '80, †'83, '84.
Edward T. Goward, '95.	Fred A. Tuttle.
George L. Hooper.	

GIRARD P. DADMAN, City Clerk.**COMMON COUNCIL:****WARD 1.**

Anadore B. Bosca.
Clarence W. Dana.
Samuel Scott.

WARD 2.

William J. Dunn, '96.
James Kennedy.
Dennis J. Pendergast, '96.

WARD 3.

William H. Brown.
James Smith.
Oliver D. Wilder.

WARD 4.

Francis M. Fagan.
James F. Miskella, '95, '96.
Stephen O'Hare, '96.

WARD 5.

George Farley.
Michael E. Sullivan.
Charles E. Thornton, '96.

WARD 6.

John H. Beaulieu.
Walter F. Leighton.
George H. Taylor.

WARD 7.

Clovis Belanger.
Lorenzo E. Smith, '96.
Lincoln R. Welch.

WARD 8.

Arthur W. Lang.
Charles F. Libby.
William H. Penn, '96, President.

WARD 9.

Butler Ames. Louis B. Sykes.
Henry K. White, '96.

FRANK N. OWEN, Clerk.

1898.**MAYOR:****JAMES W. BENNETT, '76, '77.****ALDERMEN:**

Charles H. Cosgrove, *'97.

Lucius A. Derby, *'97.

Charles A. R. Dimon, *'79, Chairman.

Edward T. Goward, '95, *'97.

Guy Holbrook.

Oliver A. Libby.

Edward B. Peirce, †'79, '80, †'83, '84, *'97.

Francis P. Rivet, '95, '96.

Fred A. Tuttle, *'97.

GIRARD P. DADMAN, City Clerk.

COMMON COUNCIL:**WARD 1.**

Anadore B. Bosca, '97.

Clarence W. Dana, '97.

Charles D. Paige.

WARD 2.

Thomas F. Garvey, '95.

James Kennedy, '97.

Frank McMahon.

WARD 3.

James Smith, '97.

Burton H. Wiggin.

Oliver D. Wilder, '97.

WARD 4.

Francis M. Fagan, '97.

Michael J. Markham.

John J. Roark.

WARD 5.

George A. Farley, '97.

William J. McCluskey.

Michael Sullivan, '97.

WARD 6.

John H. Beaulieu, '97.

Walter F. Leighton, '97.

George H. Taylor, '97, President.

WARD 7.

Alfred J. Howe.

Charles H. Merrill.

Eben B. Stafford.

WARD 8.

Arthur W. Lang, '97.

Charles F. Libby, '97.

Anthony D. Mitten.

WARD 9.

Walter E. Murkland.

William D. Whittet.

Louis B. Sykes, '97.

FRANK M. DOWLING, Clerk.

1899.**MAYOR:****JEREMIAH CROWLEY, '70, '71, *'73, *'74, *'77, *'78, *'84, *'86, *'91, *'96****ALDERMEN:**

Sam Chapin.

Lucius A. Derby, *'97, *'98.

Charles A. R. Dimon, *'79, *'98.

Oliver A. Libby, *'98.

Philip McNulty.

James F. Miskella, '95, '96, '97.

Edward B. Peirce, †'79, '80, †'83, '84, *'97, *'98.

George H. Taylor, '97, †'98.

Oliver D. Wilder, '97, '98.

GIRARD P. DADMAN, City Clerk.

COMMON COUNCIL:**WARD 1.**

Herbert R. Baker.

Charles D. Paige, '98, President.

Francis E. Saunders.

WARD 2.

Patrick H. Barry, '91, '95.

Frank McMahon, '98.

John J. Mullaney.

WARD 3.

William H. Brown.

Chas. H. Flanders.

Burton H. Wiggin, '98.

WARD 4.

Timothy F. Donohoe.

Michael J. Markham, '98.

John J. Roark, '98.

WARD 5.

Frank S. Clark.

John F. Dillon.

John J. O'Brien.

WARD 6.

William E. Badger, '96.

George E. Burns.

James F. Walker.

WARD 7.

Philip Desmarais.

Lewis Lebrun.

Eben B. Stafford, '98.

WARD 8.

Fred E. Bean.

Ralph B. Lyman.

Anthony D. Mitten, '98.

WARD 9.

Henry Hatch.

William D. Whittet, '98.

Walter E. Murkland, '98.

FRANK M. DOWLING, Clerk.

1900.**MAYOR.**

JEREMIAH CROWLEY, '70, '71, *'73, *'74, *'77, *'78, *'84, *'86, *'91, *'96, †'99.

ALDERMEN.

William E. Badger, '96, '99.
 Cyrus Barton.
 John H. Beaulieu, '97, '98.
 William H. Brown, '99.
 James H. Carmichael, †'87.

Edward S. Howe.
 Charles D. Paige, '98, †'99.
 George H. Taylor, '97, †'98, *'99, **Chairman.**
 William D. Whittet, '98, '99.

GIRARD P. DADMAN, City Clerk.

COMMON COUNCIL.**WARD 1.**

Herbert R. Baker, '99.
 James G. Hill.
 Francis E. Saunders, '99.

WARD 2.

Patrick H. Barry, '91, '95, '99.
 Bernard F. Lee.
 John J. Mullaney, '99.

WARD 3.

Otto Jensen.
 Ephraim D. Livingston.
 George McElroy.

WARD 4.

James B. Casey.
 Timothy F. Donohoe, '99.
 Michael J. Markham, '98, '99.

WARD 5.

T. Frank Clark.
 John F. Dillon, '99.
 Thomas J. McCaffrey.

WARD 6.

Pierre A. Brousseau, '88, '89.
 George E. Burns, '99.
 James F. Walker, '99, **President.**

WARD 7.

Alfred J. Howe, '98.
 Louis Lebrun, '99.
 Eben B. Stafford, '98, '99.

WARD 8.

Fred E. Bean, '99.
 Anthony D. Mitten, '98, '99.
 Charles E. Tilton.

WARD 9.

George Emsley.
 Henry Hatch, '99.
 Daniel N. Pickering.
 FRANK M. DOWLING, Clerk.

1901.**MAYOR.**

CHARLES A. R. DIMON, *'79, *'98, *'99.

ALDERMEN.

William E. Badger, '96, '99, *1900.
 James H. Carmichael †'87, *1900.
 Patrick Conlon, '87.
 Philip Desmarais, '99.
 Richard J. McCluskey.

James F. Miskella, '95, '96, '97, *'99, **Chairman.**
 Joseph Mullin.
 Gardner W. Pearson.
 John J. Sullivan, '91, '92.

GIRARD P. DADMAN, City Clerk.

COMMON COUNCIL.**WARD 1.**

Herbert R. Baker, '99, 1900.
 James G. Hill, 1900. Elected Pres. July 2, 1901.
 Mark D. Taylor.

WARD 2.

Peter Daley.
 Patrick J. O'Rourke.
 John H. Spillane. Died April 13.
 John J. Pinder. Elected June 4.

WARD 3.

Otto Jensen, 1900.
 Ephraim D. Livingston, 1900.
 George McElroy, 1900.

WARD 4.

James B. Casey, 1900.
 Timothy Donohoe, '99, 1900.
 Michael J. Markham, '98, '99, 1900.

WARD 5.

T. Frank Clark, 1900.
 Thomas J. McCaffrey, 1900.
 George B. Roche.

WARD 6.

Pierre A. Brousseau, '88, '89, 1900, **President.**
 Resigned July 2, 1901.
 John A. Henderson.
 Harry Swann.

WARD 7.

Louis Lebrun, '99, 1900.
 Joseph A. Legare.
 Albert S. Park.

WARD 8.

James P. Dugdale.
 Albert F. Grant.
 Charles E. Tilton, 1900.

WARD 9.

Charles H. Clough.
 George Emsley, 1900.
 Frank G. Lundberg.
 FRANK M. DOWLING, Clerk.

1902.**MAYOR.**

CHARLES A. R. DIMON, *'79, *'98, *'99, † '01. (Died May 21, 1902.)
WILLIAM E. BADGER, (Acting Mayor.)

ALDERMEN.

William E. Badger, '96, '99, *'00, *'01, Chairman. Lucius A. Derby, *'97, *'98, *'99.
Cyrus Barton, *'00. Charles H. Molloy.
William H. Brown, '99, *'00. James O'Sullivan, '93.
George E. Burns, '99, '00. George F. Stiles.
James H. Carmichael, ‡ '87, *'00, *'01.

GIRARD P. DADMAN, City Clerk.

COMMON COUNCIL.**WARD 1.**

Cecil L. Adams.
James G. Hill, '00, '01, President.
Mark D. Taylor, '01.

WARD 2.

Frederick Cronan.
Peter Daley, '01.
John J. Pinder, '01.

WARD 3.

Asa B. Hilliard.
Thomas G. Little.
Charles H. Worcester.

WARD 4.

James B. Casey, '00, '01.
Timothy Donohoe, '99, '00, '01.
Patrick F. Welch.

WARD 5.

John F. Dillon, '99, '00.
Hugh Finnerty.
George B. Roche, '01

WARD 6.

John A. Henderson, '01.
Elie C. Laporte
Harry Swan, '01.

WARD 7.

Edmond P. Fontaine.
Joseph A. Legare, '01.
Albert S. Park, '01.

WARD 8.

William Fairweather
Albert F. Grant, '01.
Hamlet S. Greenwood.

WARD 9.

William G. Brown.

Daniel N. Pickering, '00.
FRANK M. DOWLING, Clerk.

John S. Palm.

1903.**MAYOR.**

CHARLES E. HOWE, *'95, *'96, *'97

ALDERMEN.

George E. Burns, '99, '00, *'02. James G. Hill, '00, '01, ‡ '02.
James B. Casey, '00, '01. Richard J. McCluskey, *'01.
Lucius A. Derby, *'97, *'98, *'99, *'02. James F. Miskella, '95, '96, '97, *'99, *'01, Chn.
James J. Gallagher. Charles H. Molloy, *'02.
David Gerow.

GIRARD P. DADMAN, City Clerk.

COMMON COUNCIL.**WARD 1.**

Cecil L. Adams, '02, President.
James W. Barry.
James J. Hayes.

WARD 2.

Thomas J. Connors.
Frederick Gronan, '02.
John J. Pinder, '01, '02.

WARD 3.

Thomas H. Braden.
Asa B. Hilliard, '02.
Charles H. Worcester, '02.

WARD 4.

Dennis J. Cooney.
Timothy Donohoe, '99, '00, '01, '02.
Patrick F. Welch, '02.

WARD 5.

Hugh Finnerty, '02.
Frank A. McLaughlin.
George B. Roche, '01, '02.

WARD 6.

Frederick G. Baldwin.
Samuel Fleming.
C. Fred Hard.

WARD 7.

Edmond P. Fontaine, '02.
William J. Hayes
Andrew Livingston.

WARD 8.

William H. Dodge.
William Fairweather, '02.
Hamlet S. Greenwood, '02.

WARD 9.

William G. Brown, '02.
John S. Palm, '02.

John W. Daly.

FRANK M. DOWLING, Clerk.

1904**MAYOR.**

CHARLES E. HOWE, *'95, *'96, *'97, †'03.

ALDERMEN.

James H. Carmichael, †'87, *'00, *'01, *'02. James G. Hill, '00, †'01, †'02, *'03.
 William Fairweather, '02, '03. James F. Miskella, '95, '96, '97, *'99, *'01, *'03
 James J. Gallagher, *'03. [Chairman.
 David Gerow, *'03. Albion C. Taylor.
 Albert F. Grant, '01, '02. William H. Wilson.
 GIRARD P. DADMAN, City Clerk.

COMMON COUNCIL.

<p>WARD 1. James W. Barry, '03. James H. Fleming. James J. Hayes, '03.</p> <p>WARD 2. Thomas J. Connors, '03. Frederick Cronan, '02, '03. Michael J. Quinn.</p> <p>WARD 3. Thomas H. Braden, '03, President. Edmund J. Cheney. Charles H. Worcester, '02, '03.</p> <p>WARD 4. Daniel Cosgrove. John P. Mahoney. Patrick F. Welch, '02, '03.</p> <p>Burton H. Crosby.</p>	<p>WARD 5. John Donohue. Andrew McAloon. Frank A. McLaughlin, '03.</p> <p>WARD 6. Frederick G. Baldwin, '03. John H. Blake. Samuel Fleming, '03.</p> <p>WARD 7. William J. Hayes, '03. Charles H. May. William G. McIntyre.</p> <p>WARD 8. William H. Dodge, '03. Solomon S. Mayberry. George W. Peterson.</p> <p>WARD 9. Charles W. Stott. FRANK M. DOWLING, Clerk.</p>	<p>WARD 5. John S. Palm, '02, '03.</p>
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1905**MAYOR.**

JAMES B. CASEY, '00, '01, '02, *'03.

ALDERMEN.

Otis Allen. Albert F. Grant, '01, '02, *'04 (Chairman.)
 Thomas H. Braden, '03, †'04. William J. Hayes, '03, '04.
 James H. Carmichael, †'87, *'00, *'01, *'02, *'04. Fred H. Rourke, '93, '94.
 Daniel Cosgrove, '04. James F. Walker, '99, †'00.
 William Fairweather, '02, '03, *'04.
 GIRARD P. DADMAN, City Clerk.

COMMON COUNCIL.

<p>WARD 1. James H. Fleming, '04. James J. Hayes, '03, '04. Charles F. Morse.</p> <p>WARD 2. Frederick Cronan, '02, '03, '04. Jeremiah A. Daly. Frank McMahon.</p> <p>WARD 3. Edmund J. Cheney, '04. Harry H. J. Read. Wesley M. Wilder.</p> <p>WARD 4. Henry F. Carr. Dennis J. Donohue. John P. Mahoney, '04.</p> <p>Charles H. Clough, '01.</p>	<p>WARD 5. John Donohue, '04. Andrew McAloon, '04. Edward F. Shea.</p> <p>WARD 6. Frederick G. Baldwin, '03, '04. John H. Blake, '04. Norman W. White.</p> <p>WARD 7. J. Omer Allard. Leon Marcotte. William G. McIntyre, '04.</p> <p>WARD 8. William H. Dodge, '03, '04, President. Charles N. Leach. Solomon S. Mayberry, '04.</p> <p>WARD 9. John W. Daly, '03. FRANK M. DOWLING, Clerk.</p>	<p>Burton H. Crosby, '04.</p>
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1906**MAYOR.**

JAMES B. CASEY, '00, '01, '02, *'03, †'05.

ALDERMEN.

Otis Allen, *'05.

William H. Brown, '99, *'00, *'02

Daniel Cosgrove, '04, *'05.

Burton H. Crosby, '04, '05

John W. Daly, '03, '05.

William H. Dodge '03, '04, †'05.

William J. Hayes, '03, '04, *'05

Andrew Livingston, '03.

James F. Walker, '99, †'00, *'05 (Chairman).

GIRARD P. DADMAN, City Clerk.

COMMON COUNCIL.**WARD 1.**

Frank R. Bailey.

Alfred H. Johnson

John F. McNamara.

WARD 2.

John J. Connors.

Maurice F. Flynn.

Murthey Lyons.

WARD 3.

Edmund J. Cheney, '04, '05.

Harry H. J. Read, '05, President.

Wesley M. Wilder, '05.

WARD 4.

Henry F. Carr, '05.

Dennis J. Donohue, '05.

John P. Mahoney, '04, '05.

WARD 5.

Jeremiah F. Connors.

William E. Curtin.

Joseph H. Mellen.

WARD 6.

John H. Blake, '04, '05.

Edwin M. Kittredge

James H. Leighton.

WARD 7.

J. Omer Allard, '05.

Leon Marcotte, '05.

William G. McIntyre, '04, '05.

WARD 8.

Charles N. Leach, '05.

George H. Moody

George W. Peterson.

WARD 9.

Charles H. Clough, '01, '05.

Daniel E. Hogan.

FRANK M. DOWLING, Clerk.

Frederick A. Evans

1907**MAYOR.**

FREDERICK W. FARNHAM.

ALDERMEN.

James W. Barry, '03, '04.

Alphonse Bibeault.

William H. Brown, '99, *'00, *'02, *'06,

(Chairman.)

Daniel Cosgrove, '04, *'05, *'06.

Burton H. Crosby, '04, '05, *'06.

John W. Daly, '03, '05, *'06.

Lucius A. Derby, *'97, *'98, *'99, *'02, *'03.

Andrew Livingston, '03, '06.

Wesley M. Wilder, '05, '06.

GIRARD P. DADMAN, City Clerk.

COMMON COUNCIL.**WARD 1.**

Frank R. Bailey, '06.

Edwin M. Kittredge, '06

James H. Leighton, '06, President.

WARD 2.

John A. Cotter.

Michael H. Hoar.

Murthey Lyons, '06.

WARD 3.

Smith J. Adams

Royal K. Dexter.

George E. Marchand.

WARD 4.

Thomas J. Foudy

John P. Mahoney, '04, '05, '06.

John J. O'Neil.

WARD 5.

Jeremiah F. Connors, '06.

William E. Curtin, '06.

James J. Flanagan.

WARD 6.

Albert Bergeron.

Wilbrod Bouthillette.

Wilfred Cadoret.

WARD 7.

John B. Boudreau.

John Thomas.

John W. Wainwright.

WARD 8.

George B. McKidder.

Alexander D. Mitchell.

George H. Moody, '06.

WARD 9.

Murdock McKinnon.

Tyler A. Stevens

FRANK M. DOWLING, Clerk.

Craven Midgley.

EIGHTY-SECOND ANNUAL REPORT
OF THE
School Committee
OF THE
CITY OF LOWELL, MASS.
AND THE
FORTY-FOURTH ANNUAL REPORT
OF THE
Superintendent of Public Schools



1907

CITY OF LOWELL

OFFICE OF THE SCHOOL COMMITTEE,

LOWELL, MASS., December 27, 1907

At a meeting of the School Committee, held December 27, 1907, it was voted to adopt the report of the Superintendent of Schools for 1907 as the Report of the School Committee for that year, and to authorize the printing of the Report.

In accordance with this vote the report is herewith submitted.

A. K. WHITCOMB, Secretary

ORGANIZATION

OF THE

School Committee

1907

WILLIAM W. DUNCAN, President
ARTHUR K. WHITCOMB, Secretary

Ward 1—	WILLIAM W. DUNCAN, 21 Hildreth Bldg.	Term expires	1907
“ 2—	JOHN J. SULLIVAN, 318 Suffolk St.	“ “	1907
“ 3—	BURTON H. WIGGIN, 1010 Middlesex St.	“ “	1908
“ 4—	JOHN W. HAMILTON, 41 Hudson St.	“ “	1907
“ 5—	EUGENE F. TOOMEY, 168 Lawrence St.	“ “	1908
“ 6—	J. ELZEAR LAMOUREUX, M.D., 710 Mer'k	“ “	1908
“ 7—	ANDREW G. SWAPP, 307 Pawtucket St.	“ “	1907
“ 8—	FRANKLIN E. JOHNSON, 417 Mid'sex St.	“ “	1908
“ 9—	J. B. ALBERT JOHNSON, 118 Moore St.	“ “	1907

STANDING COMMITTEES

- ON TEACHERS AND SALARIES**—Messrs. Swapp, Wiggin, Toomey.
- ON BOOKS AND SUPPLIES**—Messrs. Sullivan, J. B. A. Johnson, Lamoureux, F. E. Johnson, Hamilton.
- ON EVENING SCHOOLS**—Messrs. Wiggin, Swapp, Lamoureux, J. B. A. Johnson, Sullivan.
- ON HIGH SCHOOL**—Messrs. Duncan, F. E. Johnson, Wiggin, Sullivan, Hamilton.
- ON EVENING DRAWING SCHOOLS**—Messrs. J. B. A. Johnson, F. E. Johnson, Toomey.
- ON MUSIC**—Messrs. Swapp, Duncan, Hamilton.
- ON JANITORS**—Messrs. Lamoureux, Wiggin, Toomey.
- ON ACCOUNTS**—Messrs. F. E. Johnson, Lamoureux, Toomey.
- ON SCHOOL HOUSES AND HYGIENE**—Messrs. J. B. A. Johnson, Duncan, Hamilton.
- ON RULES**—Messrs. Duncan, Swapp, Sullivan.
-

ASSIGNMENT OF SCHOOLS

- MR. DUNCAN**—High, Edson, Eliot, Kirk street, Cottage street.
- MR. SULLIVAN**—High, Green, Worthen street, Cheever street, Morrill, Morrill Kindergarten.
- MR. WIGGIN**—High, Lincoln, Howard street, Grand street, Plain street, Lincoln and Plain street Kindergartens.
- MR. HAMILTON**—High, Butler, London street, Weed street, Agawam street, Carter street, Lyon street, Agawam and Chapel street Kindergartens.
- MR. TOOMEY**—Charles street, Central street, Ames street, Charles street Kindergarten.
- DR. LAMOREUX**—Varnum, Greenhalge, West Sixth street, Tenth street, Lakeview Avenue, Billings street, Varnum Kindergarten.
- MR. SWAPP**—Bartlett, Pawtucket, Training, Cross street, Cabot street, New Moody street, Lexington Avenue, Pawtucket and Bartlett Kindergartens.
- MR. F. E. JOHNSON**—High, Highland, Franklin, Dover street, Powell st., Pine street, Middlesex Village, Franklin, Dover and Pine street Kindergartens.
- MR. J. B. A. JOHNSON**—Moody, River'side, Pond street, High street, Sycamore street, Moody Kindergarten.

ASSIGNMENT OF EVENING SCHOOLS

MR. WIGGIN—High, Edson, Railroad street.

MR. SWAPP—Bartlett, Green, Cheever, Pawtucket.

DR. LAMOUREUX—Varnum, Aiken avenue, Old Moody, Colburn.

MR. SULLIVAN—Mann, Worthen street.

MR. J. B. A. JOHNSON—Butler, Franklin, Riverside.

ARTHUR K. WHITCOMB, Superintendent of Public Schools.

Office in City Hall.

OFFICE HOURS—One hour after the forenoon session of schools and from 2 to 3 o'clock on Saturday afternoon. Telephone 566-4.

School Supply Room.

Open 8 a. m. to 12.30 p. m., and 1 to 5 p. m. Telephone 506-2

TRUANT COMMISSIONERS

GEO. F. STURTEVANT, JAMES KELLEY*, WM. F. THORNTON,
CAMILLE ROUSSIN, HENRY F. WILLIAMS.

Office in City Hall, Third Floor.

OFFICE HOURS—12 m. to 1 p. m. for all the working days of the year.

REGULAR MEETING OF THE SCHOOL COMMITTEE

January 29	February 26	March 26	April 30
May 28	June 25	July 30	August 27
September 24	October 29	November 26	December 31

*Died Jan. 11, 1907.

ORGANIZATION

OF THE

School Committee

1908

ANDREW G. SWAPP, President
ARTHUR K. WHITCOMB, Secretary

Ward 1—	EDWARD T. GOWARD, 274 Appleton St.	Term expires	1909
“ 2—	THOMAS MAHONEY, JR., 139 Colburn St.	“ “	1909
“ 3—	BURTON H. WIGGIN, 1010 Middlesex St.	“ “	1908
“ 4—	ARTHUR M. KANE, 37 Elm St.	“ “	1909
“ 5—	EUGENE F. TOOMEY, 168 Lawrence St.	“ “	1908
“ 6—	J. ELZEAR LAMOUREUX, M.D., 710 Mer'k	“ “	1908
“ 7—	ANDREW G. SWAPP, 307 Pawtucket St.	“ “	1909
“ 8—	FRANKLIN E. JOHNSON, 417 Mid'sex St.	“ “	1908
“ 9—	CRAVEN MIDGLEY, 169 Meadowcroft St.	“ “	1909

STANDING COMMITTEES

ON TEACHERS AND SALARIES—Messrs. Wiggin, Swapp, Toomey.

ON BOOKS AND SUPPLIES—Messrs. Lamoureux, Johnson, Midgley, Mahoney, Kane.

ON EVENING SCHOOLS—Messrs. Wiggin, Swapp, Lamoureux, Johnson, Mahoney.

ON HIGH SCHOOL—Messrs. Johnson, Lamoureux, Wiggin, Toomey, Kane.

ON EVENING DRAWING SCHOOLS—Messrs. Midgley, Goward, Kane.

ON MUSIC—Messrs. Goward, Swapp, Mahoney.

ON JANITORS—Messrs. Toomey, Goward, Midgley.

ON ACCOUNTS—Messrs. Goward, Wiggin, Mahoney.

ON SCHOOL HOUSES AND HYGIENE—Messrs. Toomey, Lamoureux, Johnson.

ON RULES—Messrs. Swapp, Midgley, Kane.

ASSIGNMENT OF SCHOOLS

MR. GOWARD, Ward 1—Varnum, Kirk, Eliot, Tenth, Billings, Varnum Kindergarten.

MR. MAHONEY, Ward 2—Green, Worthen, Morrill, Morrill Kindergarten.

MR. WIGGIN, Ward 3—High, Lincoln, Training, Howard, Powell street, Dover street, Grand street, Laura E. Lee, Dover, Lincoln and Laura E. Lee Kindergartens.

MR. KANE, Ward 4—High, Butler, London street, Weed street, Agawam street, Carter street, Lyon street, Agawam and Chapel street Kindergartens.

MR. TOOMEY, Ward 5—High, Edson, Training, Charles street, Central street, Ames street, Cottage street, Charles street Kindergarten.

DR. LAMOUREUX, Ward 6—High, Greenhalge, West Sixth street, Lakeview avenue, Cabot street, Cheever street.

MR. SWAPP, Ward 7—Bartlett, Pawtucket, Training, Cross street, New Moody street, Lexington avenue, Pawtucket and Bartlett Kindergartens.

MR. JOHNSON, Ward 8—High, Highland, Franklin, Pine street, Middlesex Village, Franklin and Pine street Kindergartens.

MR. MIDGLEY, Ward 9—Moody, Riverside, Pond street, High street, Sycamore street, Moody Kindergarten.

ASSIGNMENT OF EVENING SCHOOLS

MR. WIGGIN—High, Edson, Howard.

MR. SWAPP—Bartlett, Green, Cheever, Pawtucket.

DR. LAMOUREUX—Varnum, Greenhalge, Old Moody, Colburn.

MR. JOHNSON—Mann, Worthen.

MR. MAHONEY—Butler, Franklin, Riverside.

ARTHUR K. WHITCOMB, Superintendent of Public Schools.

Office in City Hall.

OFFICE HOURS—One hour after the forenoon session of schools and from 2 to 3 o'clock on Saturday afternoon. Telephone 566-4.

School Supply Room.

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TRUANT COMMISSIONERS

GEORGE F. STURTEVANT, WM. F. THORNTON,

CAMILLE ROUSSIN, HENRY F. WILLIAMS.

Office in City Hall, Third Floor.

OFFICE HOURS—12 m. to 1 p. m. for all the working days of the year.

REGULAR MEETING OF THE SCHOOL COMMITTEE

January 28	February 25	March 31	April 28
May 26	June 30	July 28	August 25
September 29	October 27	November 24	December 29

REPORT OF THE Superintendent of Schools

Office of the Superintendent of Schools,
December 31, 1907

Gentlemen of the School Committee:

In accordance with your rules, I have the honor to submit the following as my report for the year 1907:

SUMMARY OF STATISTICS

Value of real and personal property	\$75,454,738
Population by census of 1905	94,845
Number of polls	25,181
Decrease for the year	507
Number of children between five and fifteen years of age, September 1, 1907	14,498
Ward One, 1068	Ward Six, 2612
" Two, 1726	" Seven, 1574
" Three, 1383	" Eight, 1385
" Four, 1545	" Nine, 1660
" Five, 1545	
Increase in the year	544
Number between 7 and 14 (compulsory school age)	10,162

Number of public schools	63
One High, eleven Grammar, thirty-five Primary, two Mixed, one Training, thirteen Kindergarten.	
Number of public school buildings	60
Occupied by day schools, 53; used for evening schools, 3; unoccupied, 4.	
Number of school rooms in actual use	307
High, 34; Grammar, 130; Primary, 125; Mixed, 4; Kindergarten, 14.	
Number of teachers Dec. 31, including clerk at H. S.	347
Elected, 322; appointed, 11; Practice Class, 12; Librarian at High School, 1; Clerk at High School, 1.	
Elected teachers on leave, 2; in actual service	320
Subdivisions of Elected Teachers:	
High, 35, 12 men, 23 women; Grammar, 127, 10 men, 117 women; Primary, 115 women; Training, 10 women; Mixed, 4 women; Kindergarten, 23 women; Drawing, 2 women; Music, 2, 1 man, 1 woman; Kindergarten supervisor, 1 woman; Sewing, 1 woman; Unassigned, 2 women.	
Teachers in Evening Schools, term of 1906-7	168
High, 25; Elementary, 123; Drawing, 20.	
Pupils enrolled in Evening Schools, term of 1906-7	3792
High, 871; Elementary, 2607; Drawing, 314.	
Whole number of pupils enrolled in Day Schools	13,423
High, 1085; Grammar, 5548; Primary, 5959; Mixed, 111; Kindergarten, 720.	
Average number belonging to Day Schools	11,375
High, 958; Grammar, 5065; Primary, 4838; Mixed, 82; Kindergarten, 432.	
Average attendance	10,424
High, 920; Grammar, 4727; Primary, 4368; Mixed, 74 Kindergarten, 335.	

Average number belonging to each teacher	35
High, 29; Grammar, 36; Primary, 39; Mixed, 21; Kindergarten, 17.	
Average belonging to each room	37
High, 29; Grammar, 39; Primary, 39; Mixed, 21; Kindergarten, 31.	
Average per cent. of attendance	92
High, 96; Grammar, 93; Primary, 90; Mixed, 90; Kindergarten, 78.	
Average cost of each pupil, for tuition only, based on the average number belonging	\$22.53
High, \$41.95; Grammar, \$21.07; Primary, and Mixed, \$18.43; Training, \$25.44; Kindergarten, \$27.18.	
Total cost per pupil for tuition, salaries of janitors, six-sevenths of supervision, supplies, fuel, and all incidentals, based on enrollment	26.71
Same based on average number belonging	31.53
Average cost per pupil in evening schools for teachers and janitors, based on average number belonging, \$9.56; in evening drawing schools, \$11.76; in evening schools, tuition, fuel, light and supplies (\$28.00) and one-seventh of supervision included, \$11.62; evening drawing schools, fuel, light and supplies (\$4.00) included, \$13.47.	

RECEIPTS AND EXPENDITURES

RECEIPTS

Appropriated and assessed in 1907 \$384,296.49

EXPENDITURES

Paid to teachers of day schools:—

High School \$ 40,191.00

Grammar Schools—Bartlett School	\$ 9,425.63
Butler School	13,259.00
Edson School	9,579.00
Green School	10,221.03
Greenhalge School	4,816.97
Highland School	14,963.45
A. Lincoln School	8,928.95
Moody School	8,665.92
Pawtucket School	6,787.39
Riverside School	1,893.74
Varnum School	11,821.09

100,362.17

Primary and Mixed Schools 85,644.46

Training School 12,466.75

Kindergartens 13,199.50

Special teachers 4,338.00

Total paid for instruction in day schools 256,201.88

Janitors:—

Paid janitors of day schools 41,894.87

Evening Schools:—

Teachers, High and Elementary Schools \$15,393.25

Teachers, Drawing and Art Schools 2,753.00

Janitors 3,181.75

21,328.00

Cost of supervision:—

Superintendent of Schools \$3,000.00

Office Assistant 600.00

Truant officers (four) 4,300.00

Assistant in supply room 545.00

8,445.00

Total of Salaries \$327,869.75

Bills

Fuel (evening schools \$798.00)	\$22,359.29
Water (evening schools \$20.00)	1,309.39
Gas (evening schools \$730.00)	1,273.28
Electric lighting (evening schools \$500.00)	800.61
Electricity for power	1,886.26
Repairs by Supt. Public Buildings	1,844.40
General repairs	1,918.07
Electrical repairs and maintenance	629.38
Text books (evening schools \$486.00)	7,399.96
Writing books, stationery, etc. (eve. sch. \$304.00)	5,363.37
Supplies for janitors (evening schools \$100.00)	1,555.25
Material for sewing	306.61
Supplies for kindergartens	383.06
Supplies and apparatus, H. S. laboratories	436.30
Manual training supplies (eve. sch. \$26.00)	292.38
Manual training, new equipment	384.60
Bills of Middlesex County, board of truants	3,548.24
Printing, including annual report (eve. sch. \$124.)	1,332.85
Board of horses, care of carriages, repairs, etc.	784.53
High School Regiment	257.00
Graduations (evening schools \$62.00)	731.91
Rent of room and land	282.67
Miscellaneous (evening schools \$50.00)	1,347.33
Total of bills	<hr/> \$56,426.74
Total expenditures	\$384,296.49

SCHOOL CENSUS AND ATTENDANCE

The number of children in the city between five and fifteen years of age as shown by the census taken in September, 1907, is 14,498, a gain of 544 over 1906. This gain is a surprise from the fact that it follows a loss of 704 in 1906, and that it is made in the face of a loss of 507 in polls, following a further loss of 399 in 1906. Why children should increase while polls decrease is not easy to explain. Indeed the reverse would seem more probable, for many recent immigrants, especially the Greeks, consist mainly of persons over fifteen, who might be expected to swell the number of polls without increasing the number of children. The school census was taken by the truant officers as usual, with some help from janitors, and there is the same reason as before for supposing it to be accurate.

The total enrolment of pupils in day schools in 1907 was 13,423, a gain of 549, and the average number belonging was 11,375, a gain of 500. Notwithstanding this gain in pupils, an increase which would provide children for a dozen school rooms of forty pupils each and so for a dozen additional teachers, there has not only been no increase in teaching force but an actual reduction, a reduction of only two it is true but one which, when made in the face of an opportunity for a large increase, shows a policy of economy which can hardly fail to please those who believe it to be the first duty of the school committee to reduce expenditures. Those on the other hand, and they are many, who believe that the number of pupils to the teacher should be still further reduced will view this form of economy with quite a different feeling.

RECEIPTS AND EXPENDITURES

Salaries of teachers in day schools were larger in 1907 than in 1906 by \$25,877.67, a fact which was due wholly to a systematic increase of salaries.

Salaries of grade teachers had not changed in forty years. In that time the expense of living and the time and expense required to qualify oneself to teach had increased greatly. Estimates of the increase in cost of living vary from 15 to 40 per cent; perhaps 20 per cent would be a generally conceded amount. Forty years ago any girl was eligible for appointment as a teacher as soon as she could pass an examination on grammar school subjects; now the candidate must not only be a graduate of a high school but of a normal school or college as well, and must in addition to that stand the test of a successful year's work in teaching, a standard, by the way, as high as the highest in this country, or in the world. That these conditions justified, demanded indeed, an increase in salaries was generally conceded, but on the other hand a fair recognition of the financial condition of the city made the school committee very slow to act. Finally in June, 1906, a majority of the committee were found to favor an increase, but others urged that such increase in mid-year would not be fair to the city council, which had already received and acted upon the school department's estimates for the year, and it

was finally voted, unanimously, to refer the question, with favorable recommendation, to the new committee which would organize on the first Monday in January, 1907.

A second reason for postponement was to give public opinion an opportunity to express itself. Teachers had already presented a petition of taxpayers which reached across the room; the press of the city was for once unanimous in favoring the increase, and the same was true of citizens generally, so far as heard from. Members of the committee, indeed, asserted that in the half year of waiting they had not heard from one person in opposition, and while it would, perhaps, be too much to say that the opinion favoring an increase was absolutely unanimous it was certainly that of a large majority.

Under these circumstances a special meeting was called in January, and it was voted, unanimously, to raise the salary of all grade teachers, even of beginners, to \$650, and to increase that sum to \$700 at the end of ten years' service. At the same time the salaries of kindergartners were raised \$50, giving principals \$550 and assistants \$500, and \$100 was added to the salary of women teachers in the high school at the end of each ten years of service. This act raises Lowell in point of liberality to its grade teachers to the level of the best cities of the state in all respects, and in point of salary paid to newly elected teachers it lifts it much above the average. Though there have been some critics the increase has apparently met with general approval, but those who approve should consider themselves under obligation to smile, not scowl, when they face the payment of the more than \$25,000 of additional expense.

The cost of evening schools remains almost the same as last year, although there has been a very large increase in attendance of pupils, the schools having been kept to a better standard of attendance since October of this year than I have ever known before. Janitors have cost a little less in 1907 than in 1906, although we have two more large schools to care for, and the same is true of supervision. The expense for fuel, light, text books, repairs, etc., including all payments except those for salaries, was also less than in 1906 by more than one thousand dollars, a decrease accounted for mainly by the smaller price paid for coal. The aggregate of all these reductions brought the total expenditures no less than \$7,703.26 below the very conservative estimate made at the beginning of the year.

As was remarked last year, the cost of text books, stationery and general supplies, being an expenditure on which economy is possible, as it is not on coal and similar necessities, attracts an amount of attention wholly out of proportion to its share of the total expense. In this particular, too, expense per pupil has been decreasing steadily ever since facts for comparison have been presented, the total average expense per pupil in all schools in 1907 being but \$1.08 as against \$1.27, the average of the last four years. Omitting the high school, where commercial and manual training supplies, and laboratory supplies and equipment, raise the cost much above the average, the expense per pupil is but \$1.00 on a four years' average, and was but 89 cents in 1907, a very surprising record.

The following table gives details:

TEXT BOOKS AND SUPPLIES

	Cost 1907	Pupils 1907	Average 1907	Average 4 yrs.
High School	\$3021.10	958	3.15	3.99

Grammar Schools

Bartlett	\$436.87	404	1.08	1.80
Butler	632.59	625	1.01	1.32
Edson	575.60	459	1.25	1.23
Green	811.66	472	1.72	1.66
Greenhalge	885.50	235	3.77	
Highland	931.30	736	1.27	1.58
Lincoln	613.01	415	1.47	1.64
Moody	375.90	422	.89	1.15
Pawtucket	263.35	266	.99	1.33
Riverside	332.83	96	3.47	
Training	672.54	302	2.23	1.79
Varnum	410.25	633	.63	1.19
Totals	6,941.40	5065	1.37	1.45

Primary Schools

Agawam	27.32	106	.26	.37
Ames	47.56	124	.38	.35
Bartlett	138.72	199	.70	.77
Billings	59.46	130	.46	.49
Cabot	32.80	99	.33	.56

Central	66.30	155	.42	.40
Charles	40.79	164	.25	.39
Cheever	62.82	128	.49	.49
Cottage	46.96	135	.35	.45
Carter	50.20	169	.30	.40
Cross	62.08	115	.54	.66
Dover	57.96	121	.48	.49
Eliot	38.83	164	.23	.34
Franklin	71.45	160	.45	.49
Greenhalge	46.26	218	.21	
High Street	21.33	96	.22	.46
Howard	57.24	156	.37	.46
Kirk	14.71	69	.21	.39
Lakeview	97.29	157	.62	.56
Lexington	14.53	15	.97	.70
London	58.34	113	.52	.59
Lyon	56.05	198	.28	.60
Lincoln	35.13	76	.46	.30
Morrill	126.63	112	1.13	.51
Middlesex	18.12	67	.27	.85
Moody Street	75.42	236	.32	.28
Oaklands	26.09	63	.41	.58
Pine	32.61	89	.37	.54
Pond	32.22	123	.26	.29
Powell	31.91	81	.39	.71
Laura Lee	55.42	189	.24	.29
Riverside	41.45	113	.37	
Tenth	50.16	163	.31	.30
Training	102.19	188	.54	.74
Weed	55.59	107	.52	.50
West Sixth	62.62	177	.35	.44
Worthen	64.54	145	.45	.53
Totals	1,979.10	4,920	.40	.49
Kindergartens	383.06	432	.89	.99
Total for all schools	12,324.66	11,375	1.08	1.27

Each year finds me more and more puzzled to account for differences in expenditures. When accounts were presented for but a single year it left open the possibility that heavy stocking at one time would be balanced by lessened expenditure at another, but an average of four years ought to put schools of the same grade on approximately the same basis unless there is parsimony on the one hand or lavishness and waste on the other. Certainly

the schools of smallest call for new books and additional supplies, the Moody and the Varnum among the grammar schools and the New Moody, the Laura Lee, the Pond and the Tenth Street among the primaries, are ones which show as little appearance of lack as any in the city. Of course there are some teachers who consider large expenditures a credit, and many parents of children in their schools who agree with them, but if results apparently as satisfactory can be reached by others at one-half, or two-thirds, the cost it would manifestly be for the public interest to give the preference to the latter. In some cities a fixed amount is allowed each school for each pupil in it. The schools, then, whose pupils use their books with most care and their supplies with most economy will soon be in best condition, a fact which will show for itself. The expense of Lowell's elementary schools for text books and supplies in 1907 was but 90 cents per pupil, or omitting the new schools, the Greenhalge and the Riverside, which are now in a class by themselves in this respect but which may probably be trusted to join ranks with the rest in the near future, the average is less than 80 cents. New York has been much criticised for fixing one dollar as the sum to be allowed each pupil in elementary schools, it being contended that this sum is much too small. New York, too, uses as a basis the number belonging in October, that being usually the month of largest attendance, and if our schools could be put upon the same basis all but a very few would have more books and supplies than they now have by 15 to 20 per cent., and the large majority would probably accept such an arrangement with great satisfaction. It would probably give the grammar schools \$1.50 and the primary schools 50 cents each per pupil.

In making up the estimate of probable expenditure for 1908, which is called for by the mayor early in January of each year, the name of every employee of the school department, 591 in all, (or 618 if 27 day janitors who also serve in evening schools and so appear on two pay rolls are counted twice) is put down with salary attached, and the sum of these salaries, \$330,000, will be the salary estimate for the year. By the rules of the school committee absent teachers may continue to draw pay for twenty days when the absence is caused by sickness, and for five days without inquiry as to cause, subject in either case to a small deduction, which, for the great majority, is \$1.25 a day. For a substitute

the city pays \$2.50. This arrangement increases the expense of the school department \$1.25, therefore, for every day, less than twenty-one, that any teacher is absent. If, on the other hand, a teacher is absent more than twenty days, and ceases to draw any salary at all, the substitute will cost less than a regular teacher, and the expense of the department will be lessened to that extent. Experience has shown that this loss on short absences and gain on long ones will about balance, so that unless salaries are raised or new teachers employed the salaries drawn in January are a fair basis for an estimate for the whole year. For fuel, light, text books, repairs, etc., \$57,000 will be presented as an estimate for 1908, making the total estimate \$387,000. It is scarcely possible that expenditures can be less, and any unforeseen contingency may well make them more.

SCHOOL HOUSES

No new house has been finished or begun this year, and one, the little two room house on rented land near the end of the Aiken street bridge known as the Aiken street house, has been released to the superintendent of public buildings and by him sold at auction. This house has been unique in one thing: it is the only house in Lowell ever erected by the school committee. It was built at first to accommodate pupils of evening schools, and cost about \$1400. A few years later it was turned over to the department of lands and buildings by whom it was somewhat improved, and was occupied by overflow classes of the Varnum school up to the time of the building of the eight-room addition to the Varnum in 1898. Since that time it has been used for evening schools only. This year the pupils heretofore accommodated in it were transferred to the new Greenhalge school, and it was disposed of as just stated.

While no new building has been begun the year has not been wholly without proof of progress, for a loan of \$75,000 has been voted by the city council for the erection of a new grammar school building at the corner of South Wilder and Avery streets to relieve the Highland and Lincoln schools. If building on the lot is pushed with the vigor usually shown the house will be ready for occupancy by September, 1909. In the meantime the need

of the Butler School for a larger yard, and of a new building for the primaries in and north of the Lincoln school, remains as for the many years in which attention has been annually called to them.

For repairs on school houses in 1907, the superintendent of public buildings expended \$32,431.55. In addition to this the school department expended for repairs of furniture, window shades, electrical apparatus, etc., \$4,391.85, making a total of \$36,823.40. The heaviest items of expense by the superintendent of buildings were for new roofs, new ceilings and new floors, all of which were needed, but the improvements which would win most gratitude from teachers and pupils, the whitening or tinting of walls and ceilings, the painting of inside wood-work and the scraping and varnishing of pupils' desks, could only receive attention to an extent far too small, for lack of money.

The following table gives the name of all school houses now owned by the city, sixty in all, with valuation, size of lot, date of erection, material, number of rooms, method of heating and amount of coal used:

NAME	Valuation	Lot sq. ft.	House Built	Material	Rooms	Heating	Coal 1907	Coal, aver. 5 years	Aver. Per. Room
High School	\$250,000	31,164	1893	Brick	20	Furnaces	305	332	17
H. S. Annex	105,000	16,737	1901	"	20	Steam	255	196	10
Bartlett	108,000	68,418	1897	"	16	"	250	235	15
Butler	63,000	25,620	1883	"	12	"	150	124	10
Colburn	17,000	17,557	1848	"	8	"	44	46	6
Edson	25,000	18,000	1833	"	11	"	72	87	8
Green	105,000	19,562	1871	"	10	"	127	104	10
Greenhalge	74,200	100,000	1906	"	10	"	181	153	
Highland	67,000	56,594	1881	"	12	Steam	150	140	12
Highl'd An.	3,700		1904	Wood	4	Furnaces	32	25	6
Lincoln	77,000	44,260	1894	Brick	12	"	158	173	14
Moody	80,000	51,226	1893	"	12	"	167	175	15
Pawtucket	53,000	36,160	1884	"	8	Steam	100	92	13
Riverside	10,000	30,879		Wood	8	"	82	65	
Varnum	110,000	47,625	1857	Brick	17	"	179	193	11
Agawam	9,000	13,184	1879	Wood	4	"	37	28	7
Ames	8,000	8,595	1871	"	4	"	60	42	10
Billings	16,000	20,000	1895	"	4	"	34	50	12
Cabot	23,500	9,625	1890	Brick	4	Furnaces	57	52	13
Carter	49,000	20,738	1897	"	8	Steam	173	138	17
Charles	20,000	11,100	1889	Wood	4	"	54	48	12
Cheever	12,000	10,000	1880	"	4	Stoves	20	20	5
Central	13,500	9,000	1871	"	4	Steam	31	32	8
Cottage	4,500	5,260	1858	"	2	"	17	12	6
Chapel	4,000	4,685	1841	"	2	Stoves	9	8	4
Cross	24,000	8,048	1890	Brick	4	Furnaces	46	49	12
Dover	13,500	17,920	1877	Wood	4	Steam	35	36	9
Eliot	28,000	8,500	1889	Brick	4	"	33	41	10
Franklin	25,000	20,011	1840	"	8	"	57	63	8
Fayette	3,500	6,640	1847	Wood	2	Stoves	0	9	4
Grand	5,000	4,255	1883	"	2	"	11	10	5
Howard	5,000	6,944	1857	Brick	2	"	16	12	6

NAME	Valuation	Lot sq. ft.	House Built	Material	Rooms	Heating	Coal 1907	Coal, aver. 5 years	Aver. per Room
High St.	9,000	10,000	1873	Wood	2	Steam	38	18	9
Kirk	18,000	6,120	1881	Brick	2	"	30	23	11
Lakeview	8,000	10,232	1881	Wood	4	"	33	37	9
Lyon	20,000	10,730	1876	Brick	4	"	84	49	12
Lyon Annex	5,400	5,954	1905	Wood	1	Furnaces	10	10	
London	5,000	10,065	1877	"	2	Steam	12	16	8
W. London	1,000		1891	"	1	Stoves	8	5	5
Lexington	10,000	12,000	1897	"	2	Furnaces	29	29	29
Morrill	19,000	16,607	1875	Brick	4	Steam	41	38	9
Middlesex	16,000	19,780	1895	Wood	4	"	67	63	16
N. Moody St.	20,000	30,400	1898	"	5	"	73	73	15
Laura Lee	21,000	16,239	1897	"	6	Furnaces	54	61	10
Pine	23,000	26,608	1897	"	4	"	47	46	12
Pond	6,000	9,945	1858	"	2	"	33	25	12
Powell	8,000	11,637	1884	"	2	"	20	17	8
Sycamore	12,000	19,046	1893	"	4	"	59	42	10
Tenth	9,000	10,730	1880	"	4	Steam	38	36	7
Training	31,000	9,857	1889	"	5	"	73	57	11
W. Sixth	7,000	12,958	1872	"	4	"	38	37	9
Weed	10,500	18,900	1886	"	4	"	20	23	6
Worthen	25,000	11,044	1873	Brick	4	"	54	39	10
School	7,500	8,869	1878	Wood	2	Stoves	0	0	0
Mammoth Rd	1,500	8,507	*1874	"	1	Furnaces	15	10	10
Hadley	2,000	6,840	*1874	"	1	Stoves	0	0	0
Mann	20,000	20,122	1844	Brick	21	Steam	83	59	3
Bartlett (old)	15,000	10,000	1833	"	8	"		24	3
Moody (old)	15,000	9,500	1841	"	8	"	10	9	1
Lake'w An.	1,500		1879	Wood	2	Stoves	6	9	4
Totals	1,666,500				338		3612	3392	

* Date when received by annexation.

Valuations in the preceding tables are taken from the auditor's report, and the size of the lot from the books of the city engineer. The latter are doubtless accurate; the former have not in most cases been changed for many years and do not always represent recent conditions, though they probably average up fairly well. Dates of erection are still less satisfactory. The Lakeview Avenue house, for instance, contains somewhere in its four rooms an old one-room building which was moved from Fourth street in 1881, and the date given in the table is the one of the time when the house was rebuilt to its present proportions. The Laura Lee school house was the Sherman grammar school house of two rooms, forty or more years ago; the date I have assigned to it is that of the year when it became the Plain street house of six rooms, the change to Laura Lee having been made by the school committee in November, 1907, without any change in the character of the building. The grammar school houses all bear the date of the erection of the original building, though the Edson and Bartlett have been rebuilt so as to entirely change their character, and the former has a two-room addition; the Highland, Butler and Lincoln have each had four-room additions, and the Varnum, by two additions, has been more than doubled in size. Many of the primary school houses were of two rooms at first, and were doubled later, and the question of dates is so perplexing that those just given are presented with some reservations and are open to correction by anyone better informed than myself.

The fuel question opens up some interesting comparisons. In 1901 3167 tons of coal sufficed; in 1907 we put in 3612 tons, of which only 305 are in new buildings. Evidently coal is now poorer or janitors use it more lavishly. In getting away with coal the Lexington Avenue house of two rooms, of which only one is in use, has the rest beaten by a long remove. To keep its average attendance of fifteen children warm takes 29 tons of coal, almost two tons apiece. I suggest a return to a stove which would do the same work, and as I think do it better, with five or six tons. The Carter street house comes next, with over seventeen tons per room to produce but unsatisfactory results, and the High school follows with a fraction less than the same number of tons. The heating there is not very satisfactory either, and a new plant which would be as economical of coal as is that of the Annex would

pay for itself in only four or five years in cost of fuel saved. As in a similar table presented seven years ago, so in this, stoves are by far the most economical method of heating, averaging a little less than six tons to the room, and furnaces are on the average slightly more expensive than steam, though no house heated by furnaces, except the one room at Lexington avenue, uses as much coal per room as does the steam heated Carter street house. As before the Colburn school house is heated with less coal than any other of the steam heated houses, and the Edson comes next. This is due in part, doubtless, to the fact that these buildings have no modern plant for forced ventilation, but is also due in part to very compact and well arranged systems of heating. Anyway, the difference between less than six tons to produce satisfactory work and more than seventeen to do unsatisfactory work seems to indicate that the man of forty years ago knew his business as well and could be trusted to do a good job a little better than the man of more recent times.

By requirement of state law all school rooms in new houses must be supplied with 1500 cubic feet of fresh air per minute. To force, or draw, this air through the rooms two methods are in general use. In one a large fan forces in pure air; in the other the draught from a large chimney, or "stack," withdraws the foul air and the fresh rushes in to take its place. In either the outside air is heated in furnaces or over coils of steam pipes so as to enter the room warm as well as pure. In efficiency there seems to be little difference between the two. To drive the fan an electric motor is used, and to create the required draught in the stack a fire is kept. The Bartlett, Varnum and Greenhalge schools have fans, and the electricity to drive them cost \$820.55 in 1907, an average of a little over \$19 per room. The High, Moody and Lincoln have stacks, and the coal burned in them cost \$574, an average of a little less than \$14 to the room. In smaller schools ventilating by draught from stacks the cost is smaller, less than \$11 apiece per room. School houses included in this average are the Cross, Cabot, Plain, Pine, Cornell and Billings, in all of which the ventilation is excellent.

The character of sanitariums, whether dry or water closets, has no necessary connection with the kind of ventilation used, but with us the High, Moody and Lincoln schools have dry closets, and to the difference in expense between electricity and coal, as

just noted, can fairly be added, on the side of the last named schools, the saving of all expense for water which would otherwise be used in water closets. It is the fashion of late to use fans, but if this is done at all it should be done in the face of the knowledge that it entails a far heavier annual expense.

SCHOOLS AND TEACHERS

No new school has been added during the year, and the only new room opened has been an overflow in the assembly hall at the Lincoln. The only other schools to increase teaching force are the High, where the number of students in the commercial course made another teacher of bookkeeping a necessity, and the Eliot, where an assistant has been allowed to a teacher who has more than seventy pupils. On the other hand the Training and the Butler are each employing one teacher less, and the Highland two less than in 1906. This is not because of decrease of pupils, but because of the withdrawal of a special teacher of drawing from the Training, and because of a willingness to crowd the regular rooms at the Butler and Highland to get rid of assembly hall classes.

Following are the changes in the roll of teachers:

RESIGNED OR RETIRED	TERM OF SERVICE
Edmund Ketchum, Teacher of Drawing	3 years
Mabel C. Walsh, of the New Moody St. School	2 years
Anna B. Lattin, of the Riverside School	1 year
Avis J. Coburn, Librarian at the High School	1 year
M. Ida Howe, of the Bartlett School	34 years
Marguerite Elvin, of the Training School	1 year
Mary I. Donlan, of the Butler School	16 years
Edward S. Colton, of the High School	7 years
Nathaniel H. Atkins, of the High School	6 years
Addie B. Edwards, of the Training School	7 years

TRANSFERRED

Mary B. Quinn, from the Butler to the Morrill
 Carrie E. Hale, from the Greenhalge Primary to the Greenhalge Grammar
 Christine Cameron, from the Greenhalge Primary to the Pawtucket

Etta M. Smith, from the Lakeview Ave. to the Riverside Primary
Elizabeth A. Hart, from the Pawtucket to the New Moody
Lillian M. Strout, from the Highland to the Lincoln Primary
Esther M. Green, from the Highland to the Riverside Grammar

ELECTED

Ernest M. Hunt, to the High School
Katherine F. Farley, to the Bartlett School
Addie E. Edwards, to be Special Teacher of Drawing

No teacher died in 1907, but before this report was in print, January 9, 1908, life was finished for Christine Cameron, a teacher of the Pawtucket school. Miss Cameron was a faithful and successful teacher, who was honored and loved by all who knew her.

Of those who resigned or retired Misses Elvin, Coburn and Walsh did so to marry, Miss Howe to enjoy a well earned rest, and all the others to take other positions at higher salaries.

In course of study or method of work no essential change has been made. While Mr. Ketchum remained as a supervisor of drawing the grades of the elementary schools were divided between him and the other supervisor, Miss Underhill, the latter taking the first six and Mr. Ketchum the rest. After his retirement and the election of Miss Edwards the basis of division was changed, Miss Underhill taking all the grades of all the schools in the Butler, Edson, Green, Highland and Moody districts, and Miss Edwards taking the High and the Greenhalge, Lincoln, Pawtucket, Training, Riverside and Varnum districts in the same way.

In text books Bradbury's-Eaton's Arithmetic, after holding an honored place in the schools so long that the memory of the present generation goeth not back to the contrary, finally gave way to the Southworth-Stonè series of arithmetics in June. Coleman's Physiologies, Ashley's Government and the Citizen, Chancellor's Spellers and the Quincy Word List have also been authorized for use in the elementary schools, as were several books for supplementary reading and desk use.

In kindergartens there has been no change except as to the abiding place of the Bartlett. This was crowded out of the Bartlett grammar school house early in the year by the need of the

room it occupied for primary school use. It went first to the Normal school building on Broadway, by the kind invitation of the principal of that school, but the promised crowd of pupils did not materialize to the extent expected and it came back just as the year closed to the Cross street house, an excellent location except for its nearness to the Morrill. The number belonging to all the kindergartens at the close of the year was 446 as against 404 in 1906.

The number of pupils belonging to the primary and grammar schools in the school year 1906-7 was greater than the previous year by 424. Pupils were divided by grades as follows:

1	2	3	4	5	6	7	8	9	Total
2023	1597	1328	1236	1064	925	864	618	572	10,227

The ungraded room established in 1906 at Cheever street for pupils over fourteen who wish to learn English in the shortest possible time has been continued, and bids fair to be permanent, as it ought to be. Pupils in it are nearly all French. Another such room will be established soon in the Green school for the accommodation of all who need it but especially of Greek boys who are rapidly increasing in numbers in the Market street section. A similar room is greatly needed in Ward 5, but local objections have prevented its establishment thus far. I am sure that these rooms are of great value to their pupils and a great relief to nearby schools. The only valid objection to them is the additional expense, but where that can be avoided, or can be reduced to an inconsiderable sum, such schools should be opened for a variety of purposes and in constantly increasing numbers.

In the school year 1906-7 the no school bell was rung nine times, preventing sessions in the forenoon six times and in the afternoon three times. In the calendar year 1907 the bell was rung but five time, four times for forenoons, and but once in the afternoon.

The Training school had an average number of pupils belonging in the school year 1905-6 of 444 and in the school year 1906-7 it had 490, an increase of forty-six. In December, 1907, it had 539, a further gain of forty-nine. In its teacher training department it graduated a class of twelve young ladies in June, and received a new class of twelve in September. Of the June class two were graduates of Wellesley College and ten of the Normal

school at Lowell. Of the latter several had had experience in teaching before coming to us. Of the class entering in September one is a graduate of Wellesley, one of Boston University, one of the Willimantic, Connecticut, Normal, and nine of the Normal school at Lowell. A majority have had considerable experience in teaching. The names of the graduates are given in connection with the roster of teachers at the end of this report.

The High school closes the year with an attendance of 1038 pupils, a gain of 36 over December, 1906. In the last school year it received 296 pupils from the grammar schools and 111 from other sources, and in June it graduated 168. The graduating exercises were held in the Opera House, June 24, and the program, the names of the graduates, of the Carney Medal scholars, and of the Honorable Mention students are given herewith.

ORDER OF EXERCISES

- 1 CONCERT OVERTURE IN F *Kalliwoda*
AMERICAN ORCHESTRA
- 2 MARCH A Deed of the Pen *Morct*
AMERICAN ORCHESTRA
- 3 CHORUS Hark! 'Tis the Signal *Carl Bohm*
- 4 SALUTATORY The England of Addison's Day
VERA BATON THOMSON
- 5 SEMI CHORUS Evening Hymn of the Crusaders
Neils W. Gade
Solo by EDWARD FRANCIS FAY
Soprano: MISSES O'DONNELL '07, HOGAN '07, YOUNG-
JOHNS '07, LAVIGNE '07, BARROWS '07.
Alto: MISSES LIBBY '07, MERRILL '07, SILK '07, MACK '09.
Tenor: MESSRS. EARL KIMBALL '07, ROGERS '07, MERRILL
KIMBALL '07, DENNISON '08.
Bass: MESSRS. DODGE '07, MCMAHON '07, REILLY '07,
HUNT '07.

6 REMARKS AND INTRODUCTION OF SPEAKER

MR. WILLIAM W. DUNCAN, President of School Board

7 ADDRESS

PROF. WALTER BALLOU JACOBS, Brown University

8 SEMI CHORUS The Spinning Chorus *Wagner*
From the Flying Dutchman

First Soprano: MISSES CARTER '07, SANDERS '07, HOGAN '07, YOUNGJOHNS '07, LAVIGNE '07, CARROLL '07, CLEMENT '07, BICKNELL '07, BARROWS '07.

Second Soprano: MISSES LIBBY '07, MERRILL '07, MACK '09, LUCE '07, ROY '09, FARMER '08.

Alto: MISSES DRISCOLL '07, BEAL '07, LEET '07, SILK '08,
LITTLEFIELD '08.

9 PRESENTATION OF PRIZES OFFERED BY THE
HISTORICAL SOCIETY

Frist Prize: \$10 in gold, Edith Cooper Erskine

Second Prize: \$5 in gold, Annie Louise Naylor

Presented by HON. SAMUEL P. HADLEY

10 SOLO The Song of Hybrias the Cretan *Elliott*
WALTER BENEDICT REILLY

II VALEDICTORY The Young Man of the Twentieth
Century. *Written by Frederick William Robson*

SAMUEL HAROLD SCRIBNER

12 MALE CHORUS

(a) Ho! Ye Gallant Sailors Macy

(b) Nursery Rhyme Suite Custance

First Tenor: MESSRS. CORAM '07, EARL KIMBALL '07,
MERRILL KIMBALL '07, DENNISON '08.

Second Tenor: MESSRS. COTTER '07, ROGERS '07, PALMER '06, HARTWELL '08.

First Bass: MESSRS. DODGE '07, FARRELL '07, CARROLL '07, KEARNEY '07, FAY '08.

Second Bass: MESSRS. GRAY '07, GOLDMAN '07, McMAHON '07, REILLY, '07, HUNT '07, FOSS '08.

13 PRESENTATION OF CARNEY MEDALS

Honorable mention of those who have attained a
scholarship rank of 90 per cent.

MR. ARTHUR K. WHITCOMB, Superintendent of Schools

14 CHORUS Festival Hymn *Dudley Buck*

15 PRESENTATION OF DIPLOMAS

HIS HONOR, THE MAYOR, FREDERICK W. FARNHAM

16 CLASS ODE *Air, "Wacht am Rhein"*

Words by Elizabeth Rose Carroll

Farewell, farewell, O school-day friends,
The hour has come our ties to sever;
Time to our grief no respite lends.
But, like the brook, goes on forever.
We'll waste it not in idle dreams,
Drift not our boat on shallow streams,
But let our life be broad and grand,
Learn to obey, let God command.
Push on, push on, be brave and strong,
Be kind and true to all we meet,
Make love the watchword of our song,
Let virtue bind the chain complete.
With grief we part from all so dear,
But hope shall brush away the tear;
Fond mem'ries in our hearts shall dwell.
Farewell, dear friends, farewell, farewell.

17 FINALE Flying Swallows *Niegand*

AMERICAN ORCHESTRA

GRADUATES

FIVE YEARS' COURSE

William Francis Duffy
Frank Goldman

Frederick Sabin Harvey
Earle Raines Kimball

Samuel Schwartz

FOUR YEARS' COURSE

George Henry Allard	Cora Marie Barrows
James Francis Barton	Inez Rowena Beal
Harrison George Brown	Elizabeth Rose Carroll
Thomas Archibald Callahan	Ruth Carter
Henry Heathorn Carroll	Florence Augusta Chamberlain
Julian Clinton Cary	Jennie Powers Clement
Cecil Pillsbury Dodge	Ruth Crowell
Henry Alphonse Filteau	Mildred Spofford Curtis
William Henry Forbes	Bertha Queena Danforth
Emilien Emerie Gelineau	Katherine Agnes Donahue
Walter Burnap Gibson	Nora Imelda Donohoe
Robert Collinge Gray	Julia Marie Driscoll
Willis Everett Hawkes	Esther Elliott
Albert Seymour Haynes, Jr.	Edith Cooper Erskine
Robert Curtis Hemman	Florence Fairburn
Albert William Hickey	Mary Catherine Farnan
Paul Thomas Kearney	Catharine Faulkner
Frank Bernard Kelleher	Regina Blanche Frappier
Merrill Justin Kimball	Frances Cecelia Furlong
Leo Alphonsus King	Ruth Arnold Gegenheimer
William Edward Lane	Annie Gertrude Gray
Timothy Henry Lynch	Hazel Hanchett
Francis Earle Locke	Marietta Frances Hogan
Colin Campbell Macdonald	Beatrice May Horne
Charles Gavan McClure	Harriet Frances Kew
John Edward McCoy	Dorothea Edna Kohlrausch
James Aloysius McMeniman	Genieve England Lawrence
George Anthony O'Connor	Georgia Sherburne Libby
Cornelius Jerome O'Neill	Bertha Erminie Leet
Walter Benedict Reilly	Allena Estelle Luce
Patrick Joseph Francis Reynolds	Letitia Estelle Mahoney
Frederick William Charles Robson	Grace Elizabeth Mealey
John Fletcher Rogers	Gertrude Elila Merrill
Samuel Harold Scribner	Hannah Estelle Moors
Charles Sylvester Sharkey	Julia Agnes Morris
Leon William Sidebottom	Margaret Grace McCue
Sidney Parker Spalding	Harriet Mary MacDonald
John Austin Spaulding	Ellen Elizabeth McQuade
Harold Samuel Taylor	Annie Louise Naylor
Alvin Goodell Thompson	Mildred Nelson
Francis Moncrief Qua	Katharine Marie O'Donnell
Lionel Walter Udell	Margaret Teresa O'Neil
George Louis Uman	Arvilla Howard Piggott
Phineas Westcott Whiting	Mary Bridget Powers
Forrest Lyman Wiggin	Susan Amelda Pyne
Blanche Ardelia Abbott	Martha Gertrude Roark

Ada Willard Bancroft
 Sophia May Bicknell
 Marion Rosander
 Helen Elizabeth Sanders
 Agnes Rita Sharkey
 Mabelle Estelle Sykes
 Martha Richardson Taylor
 Grace Mildred Thomas

Pearl Olga Robson
 Zilpha Minnie Roper
 Helen Loraine Thomas
 Vera Baton Thomson
 Gladys Alma Whitmore
 Irene Mabel Wilson
 Annie May Youngjohns

THREE YEARS' COURSE

Robert Wade Barris
 Patrick Joseph Begley
 William Francis Cahill
 Oliver Moulton Chadwick
 John Everett Connell
 Charles Edward Cotter
 Irving Wilder Davis
 John William Downey
 George Clarence Fairburn
 Ross Adams Hatch
 Henry Frederick Hickson
 Charles Adhemard Jean
 George Alfred Maker
 Samuel Martin Miller
 Edward Frances Murphy
 Edward Leo McMahon
 Charles Sumner Raymond
 Francis Arthur Reed
 Charles Joseph Sharkey
 William Francis Sheehan
 Leonard Andrew Wood
 Charlotte Eudora Allen
 Ida Frances Baker
 Leona Elizabeth Baldwin
 Ruth Myra Barney
 Etta Maude Bennett
 Hannah Josephine Birkenhead
 Laura Eva Boisvert

Mildred Mary Bolger
 Elvira May Braden
 Marion Louise Briscoe
 Marie Anthony Cahill
 Esther Elizabeth Catherwood
 Edith May Cheney
 Harriett Corliss
 Stella May Davis
 Helen Blackall Hills
 May Elizabeth Keefe
 Dorothy Quincy Kinney
 Bella Blanche LaVigne
 Marion Scott Lew
 Cornelia Frances Locke
 Edith Clara Luce
 Magdelene Mary Marley
 Mary Genevieve Murningham
 Annie Sarah McCartin
 Blanche Ethel MacDonald
 Edith Isabel MacElroy
 Ethel Maud Noyes
 Elizabeth Verecunda Quinn
 Emma Beatrice Robinson
 Ellen Dorothy Ryland
 Lucy Schwartz
 Agnes Linton Shaw
 Jennie Ann Wood
 Eva Mildred York

CARNEY MEDALS

Frederick William Charles Robson
 Samuel Harold Scribner
 John Austin Spaulding

Vera Baton Thomson
 Katharine Marie O'Donnell
 Edith Cooper Erskine

HONORABLE MENTION

Lionel W. Udell	Dorothy Q. Kinney
Martha R. Taylor	Esther Elliott
Florence A. Chamberlain	Gladys A. Whitmore
Hannah E. Moors	Allena E. Luce
Ruth A. Gegenheimer	Pearl O. Robson
Harriet M. MacDonald	Annie L. Naylor
Mildred S. Curtis	Julia M. Driscoll
Mary G. Murningham	Laura E. Boisvert

INDUSTRIAL EDUCATION

On no subject related to education has there been a more direct reversal of opinion in recent years than on the propriety of teaching trades. It is within the memory of many men who heard him, that James Russell Lowell in a Phi Beta Kappa oration at Harvard declared that his conception of an ideal university was of a place where nothing useful is taught. From his point of view, too, he was right. The man who wishes to become an athlete does not hoe potatoes nor saw wood to accomplish that result, however gainful those occupations may be; on the contrary he goes to a gymnasium where the work has no pretense of gain or use except for training. The end of education in Lowell's thought was the production of mental athletes, and in their training industries would have as little place as manual labor would have in the development of the physical athlete.

In the early years of the nation when most schools were rural the boy on the farm was not only taught agriculture but the rudiments of all the common constructive trades as well. Terms of school were short and infrequent, and there was little time or need for teaching anything but books. From the district school to the university, therefore, the knowledge of books and the culture derived from their study were the only objects for which the school was supposed to exist. When, twenty-five years ago, manual training was advocated by a few the proposition was scarcely accorded a hearing by schoolmen or the public until its sponsors explained that the use of the hands was not at all for the purpose of industrial training, but wholly for mental development. The boy, it was said, would have a better mind

if he used his hands, and his head with his hands, a part of the time than he would if he used books all the time. This was doubtless true, but it was not the whole truth, nor the only reason for hand work.

In more recent times, however, the professions have become overcrowded, and the boys, lacking altogether the industrial training which they once got on the farm, and the apprentice system having died a natural death, find themselves, not only without preparation for any skilled industry when school days are over, but with only the most meagre opportunities for getting the training they need. Now the mission of the school is obviously training for living, and the training which is carried on with no reference to the larger part of the world's occupations is obviously one sided to an absurd degree.

Considerations like these have led many men to think that the schools should fit for industries in which the boy may stand a chance to earn a living as well as fit for college, and within the last few years this idea has become so popular that a wiser schoolman than Lowell has recently been cheered to the echo when he said that his ideal for a university, or for any school, is of a place where nothing is taught that is not useful. In fact whether we like it or not the demand for industrial education in public schools is coming in like a flood, and the school committee and the public must face it whether they wish to do so or not.

The Douglas commission of three years ago concluded that industrial training, which its members believe to be a supreme necessity, should be in separate schools to be entered after the compulsory school age of fourteen years. The legislature accepted this conclusion, and voted state aid to any city which would open such schools. The commission also expressed the opinion that while existing schools should not teach industries directly they should lead up to them by a large use of hand work and by making the school in all its parts and in its relation to every study a preparation for later training in industrial schools, or for service in the industries themselves, as well as a means of general culture. Since the time of the commission's first report, however, the demand, outside the commission though not in it, has been steadily increasing that existing schools shall themselves teach industries. Cities, despite the offer of state aid, have been very slow to open new schools for industrial training. Such

schools would involve a very large expense, an expense which would be wholly in addition to the already heavy cost of existing schools. Then too, they must be largely experimental. It is true that Europe is full of them, the city of Munich alone having forty, but their adaptation to our conditions is yet to be made. The attention of the school committee has been called to the matter, but the expense seemed prohibitory, and no extended investigation or consideration of it has been made. The board of trade, too, gave careful though very quiet consideration to the question early in the year, but in the present condition of the finances of the city, and in the lack, too, of a very clear knowledge of just what such schools could and would do, its members decided to wait a little and watch results elsewhere before advising the school committee or the city to take the matter up. And much as I approve of industrial education, and much as I wish that we had it in Lowell, I do not question the wisdom of their conclusion.

Just because, however, the work of opening new schools is not progressing very fast those who wish to see the industries taught somehow are turning with more and more insistence to the schools we already have, and demanding that they teach trades. Of this I doubt the wisdom. Experiments in this line, though usually proclaimed great successes at the start, have generally failed, and until somebody else makes a permanent success of it I am willing to let others do the experimenting.

I do think, however, that we ought to have manual training in every grade. I believe that it is an important factor in general culture, an excellent preparation for industrial work of any kind, and a strong incentive to boys to remain in school.

The difficulties in the way of having manual training in our elementary schools are great. The cost for equipment at first and for teachers and material afterwards would be large. Manual training and the commercial courses in the high school, the first of which is partly industrial and the latter almost entirely so, are by far the most costly courses of the school, a fact which should be faced without shrinking by those, of whom I am one, who believe in them most thoroughly. They are popular, their benefits to their students are beyond question, but they cost much, and the same would be true of any industrial work, or any work leading up to the industries, which might be put into the elementary schools.

Again we have no school rooms available. Every grammar school in the city is crowded today. All but two of those which have assembly halls have now, or have recently had, classes seated and reciting in these halls for want of room elsewhere, and a spare room for manual or industrial work of any kind simply does not exist. Will the city council erect houses for the purpose? Some things can be done in regular rooms, but even then there must be large expense for teachers, equipment and material. And worst of all neither the schoolmen nor the public of the country are agreed on what is best to do. All are experimenting, and with the exception of wood working or sloyd, which holds its own pretty well, few are succeeding in a way to command the confidence of disinterested onlookers.

The subject, however, is coming to the front just now as never before, and I commend it to the attention of the committee and the public. If we cannot do all we would like we should at least do all we can, and whatever we do should be done with the knowledge that the day when mere bookishness was the whole object of the school is past. The school of today must look toward the constructive industries as well as toward the professions, and must prepare for industrial efficiency as well as for general culture.

MEDICAL INSPECTION

The law relating to the medical inspection of children in school requires school committees to supply physicians to do one part of the work, but lays upon the teachers the task of making annual tests of vision and hearing. This latter work has been well done in Lowell this year, with results as follows:

Pupils tested 10,619; found defective in vision 2035; found defective in hearing 499; parents notified 1323.

Tests of vision are made by placing the pupil 20 feet from a card on which are letters which a person with normal vision should see and recognize at that distance. If they cannot be seen by the pupil attention is directed to other and larger letters which should be legible at 30, 40 and 50 feet. If the child at 20 feet can only see the letters of the 30 foot line he is recorded as defective, and his vision is rated at twenty-thirtieths. If the line which should

be read at 40 feet is the smallest that can be read at 20 the power of seeing is rated at twenty-fortieths, or one-half, and so on for still larger letters. In 1906 teachers were required to send to parents a notice of the defect if the child had no more than twenty-thirtieths, or two-thirds, of normal vision. In 1907 the state changed this standard, and directed that a notice should only be sent in case that a child had but one-half, or less, of normal ability to see. Parents of children already wearing glasses or under treatment for bad eyes or ears were not notified, which accounts for the fact that with 2524 cases of defect, counting sight and hearing both, only 1323 notices were sent to parents.

Hearing is tested by speaking in a low voice, or in a whisper, to a child at a distance of 25 feet, and in some cases the ticking of a watch is also used to corroborate the results. The test is far less accurate than that for vision, and some more uniform method of testing and measuring auditory power is greatly to be desired.

The records this year are much better than those of 1906. Defects of vision are but 19% as against 23% a year earlier, and defects in hearing are less than 5 per cent. as against 7 per cent. in 1906. I should be glad to believe that this surprising improvement is due to the use made by parents of the information gained by making tests last year, but such a result seems too good to be true. It is certain, however, that teachers are using more care than before, and that many children have been treated or supplied with glasses with great benefit to themselves, though exact statistics on this point cannot be obtained. It is also true that the tests this year are far more influential with parents than last year, the natural result of continued good and reliable work. As before, teachers or others interested have provided glasses for all children of parents too poor to do this, and, if permitted, they have done the same for children of parents too indifferent to give the matter the needed attention.

Defects of vision increase steadily as school life advances, and are most numerous in the high school. A comparison of the two tests in that school show a slight improvement, though one much less than in other schools. In 1906 280 defects were noted in 969 pupils, or 29 per cent.; this year 290 defects were found in 1040 pupils, or 28 per cent. In the matter of needed attention to bad eyes, however, the improvement is greater. In 1906 131 pupils were wearing glasses, and there was occasion for sending

notices to the parents of 149 others. This year 168 are wearing glasses and the eyes of five more are receiving treatment, leaving but 117 whose defects were not previously known or who had not been cared for in some way.

In this connection I am sorry to note some reports of needlessly high prices paid for glasses. From a leading firm of opticians in Boston, whose prices are as high as is reasonable for anybody, I obtained the following prices; Simple lenses in common frames, \$2.00; lenses for the correction of astigmatism, \$2.50; combination, \$3.50. I was assured that these prices are maximum, (a large reduction being made for hospital or similar cases) and anyone who pays more in Lowell is giving somebody a profit not asked by the metropolitan firm. Several thoroughly reliable Lowell opticians have furnished glasses for teachers in charity cases for one dollar, and for such work I think no one need pay more.

As to the other work required by the medical inspection law it suffices to say that no physicians have been appointed, and that nothing has been done. The law is mandatory in its first section but in its seventh it provides that school committees shall spend no money in carrying out its provisions until the same has been appropriated by the city council. It is not at all probable that those who prepared the law were so stupid as not to know that the last clause could be so used as to nullify the first. On the other hand it is known that they consented to the addition of the last clause only because they feared that they could not secure the enactment of the law without it. They counted, too, on the wisdom and public spirit of city councils, and results show that their confidence was not generally misplaced, for thirty of the thirty-three cities of the state and more than 160 of the towns have already made appropriations for the payment of school physicians. Governor Guild has recommended that the annulling clause be repealed, and this will undoubtedly be done sometime. In Lowell the school committee will again ask for an appropriation early in 1908, and it can scarcely be doubted that in the light of what is being done elsewhere and in view of the unquestioned value of the inspection the city council will promptly make the needed appropriation.

BROWN-TAIL AND GYPSY MOTHS

Since the coming of the brown-tail moth to Lowell three years ago the city, thanks in large part to the efficiency of the park department, has been thoroughly cleared of the pest each winter only to be infested again worse than ever the next year by moths from surrounding forests. In the work of clearing the city, however, the school children have been a good second. They have not climbed the tall street trees, nor have they done the difficult and dangerous part of the work. Indeed their teachers and myself have joined in advising against any such risks on their part, but they have done a most commendable work on fruit and other low trees. Working at first without clippers, except the few which they or their teachers could buy, they were at a disadvantage from which they were rescued by the park department last spring by a present of fifty pruners. With these they did so good work that in the fall they were given another fifty, and by their aid they were able to report at the end of the year a grand total of 632,156 nests destroyed. This has saved the city a good many thousand dollars, and has been a work of loyal and patriotic service which deserves all and more praise than it will get.

The gypsy moth has not shown itself in Lowell, at least in numbers to be noticeable, until this year, but now its egg clusters are quite thickly scattered in most parts of the city. If these are not removed results next year will certainly be very serious. Specimens of the egg clusters have been shown to the pupils of the grammar schools, instructions as to the proper method of dealing with them have been given, and if the pest is to be fought successfully it is fairly certain that the school children will be as good allies of the park department in this work, as they have been in the war on the brown-tail.

In the destruction of the brown-tail nests the Varnum is first with 220,802, and the Pawtucket comes next with 146,160, the Lincoln is third with 42,050, and the Riverside fourth with 37,593. The Greenhalge makes a good start as a new school with 31,836. Among primary schools Billings street, which has always before been the leader by a long remove, now takes second place with 18,918, the first place being taken by Powell Street with 19,780, a marvelous number to have been taken by the small children of a little two-room primary school.

EVENING SCHOOLS

The law which raised the compulsory age for pupils of day schools who were unable to read and write in English from fourteen to sixteen years, which went into effect January 1, 1906, practically withdrew from the evening schools all compulsory attendants between the ages named, about 300 in number, and so reduced attendance to that extent. The average attendance which had been 1956 in the term of 1905-6 fell to 1689 in the term of 1906-7, and it was confidently predicted that the reduction would be permanent. Such, however, has not been the case. The average attendance in the last four months of 1907 has been 2386 while attendance for the same months of 1906 was but 1880. To care for this increase of 506 pupils the teaching force has been increased but 6, though on a basis of 15 for a teacher a less economical committee might easily have found places for 34. The increase in pupils has been greater among the Poles than anywhere else. We have had a class of youths of that nationality at the Colburn for several years, and last year their number had not only increased at the school first attended but had overflowed somewhat to other schools. This year we have several rooms full of Polish boys and girls at the Old Moody, Edson, and Bartlett schools, with smaller numbers in almost every school in the city. As a rule they are of fine appearance, are orderly and well behaved, and make excellent pupils. The Greeks still continue to increase, and the same is true of the Portuguese. The Mann school is fearfully overcrowded with Greek men and boys, and should be relieved by shifting a part of its pupils to the Green where good rooms, formerly occupied by French boys, now stand empty in the evening.

The evening high school fell off a little in attendance in the last completed term, a fact due, in the opinion of its principal, to the craze for roller skating which pervaded the city a year ago, but which has since happily subsided as rapidly as it rose. The attendance this fall has averaged about forty more than in the same months of 1906, and the school is holding its attendance as the year closes better than for some time before.

The excellence of the high school in recent years has been very largely due to the wise management and inspiring leadership of Mr. Carl D. Burt, a teacher of the day high school who

has been principal of the evening high since 1898. Circumstances prevented Mr. Burt from serving in this capacity this year and the friends of the school felt that it had met with an irreparable loss. The new principal, however, Mr. Thomas G. Robbins, has "made good" in the most satisfactory manner, and the school is in excellent condition. I believe that it is now, as for a long time past, well worthy of the confidence of the public and the attendance of all young men and young women who, unable longer to attend a day school, are desirous of securing a broader, better, and more useful education.

An exhibit of the work of the evening schools was shown at the Jamestown exposition, and attracted much attention, as a similar exhibit had done at St. Louis and Seattle. This exhibit was sought for the permanent national exhibit of educational work of both Mexico and Argentina, but I declined to part with it. It is now at city hall, and is well worth a careful examination by anybody who is interested in the kind of work it represents.

Statistics of the last completed term, that of 1906-7, are shown in the following table which is followed by the names of the graduates of the high school in March, 1907. In this term the high school had 75 sessions and the elementary schools 62, eleven sessions having been prevented by stormy weather.

SUMMARY OF ATTENDANCE

For Term of 1906-1907

SCHOOLS	Number of Rooms in each School	Teachers at beginning of Term	Teachers at close of Term	WHOLE NUMBER			AVERAGE			AVERAGE			Per cent. of Attendance
				ON			NUMBER			ATTENDANCE			
				TIME BOOKS			BELONGING						
Males	Females	Total	Males	Females	Total	Males	Females	Total	Males	Females	Total		
High School	25	25	23	479	392	871	284	233	517	240	204	444	79
Aiken Ave...	2	5	3	68	30	98	32	18	50	25	15	40	80
Bartlett (French)	5	9	6		122	122		84	84		75	75	82
Bartlett (Greek)	3	5	5		128	128		91	91		78	78	86
Butler.....	6	8	7	141	40	181	65	28	93	48	20	68	73
Colburn.....	5	6	6	83	78	161	42	55	97	36	53	89	90
Cheever	2	7	6		113	113		76	76		73	73	96
Edson	6	11	7	86	65	151	69	52	121	57	40	97	80
Franklin.....	5	9	8	114	42	156	63	29	92	52	23	75	76
Green	5	11	8	279		279	140		140	128		128	91
Hebrew.....	1	1	1	31		31	19		19	10		10	31
Mann.....	10	27	22	655		655	304		304	279		279	90
Old Moody ..	4	6	6	81	88	169	31	45	76	25	41	66	87
Pawtucket...	1	3	0	29	6	35	14	4	18	8	3	11	63
Riverside	2	4	2	44	29	73	31	9	40	30	10	40	80
Varnum	2	2	2	70	31	101	20	15	35	20	14	34	100
Worthen	3	9	5	154		154	90		90	82		82	91
Totals	87	148	117	2314	1164	3478	1204	739	1943	1040	649	1689	81

Class of 1907, Lowell Evening High School

Graduates

REGULAR COURSE

Reginald Crabtree Atkinson	Helen Verecunda Bodkin
John Alfred Axon	Sarah Agnes Veronica Bosca
Arthur Booth	Catherine Anna Buckley
Adelard Francis Charbonneau	Grace Avis Carter
John Francis Conley	Mary Agnes Connolly
Joseph Francis Convery	Mary Teresa Connolly
John Robert Craig	Rose Helen Cuff
William Patrick Cutress	Helen Mary Dowling
Hervey Joseph Desormaux	Mary Christina Duggan
Carlos Wadleigh Dunning	Mary Frances Fitzgerald
Michael Albert Flynn	Madeline Christine Flanders
Charles Edward Lawrence Furlong	Annie Teresa Garvey
Alexander Nicholas Gakidis	Mary Evangeline Geary
Albert Hamel	Marie Anne Bertha Germain
William Joseph Hartley	Della Esther Goldberg
John William Healey	Sarah Rita Hammersley
Francis Patrick Higgins	Mamie Verecunda Harold
Samuel Kenworthy	Angeline Marie Howe
Edwin Francis Landers	Annie Isabelle Kelley
Joseph Patrick Larkin	Bertha Mary Kelley
Ernest Henry Martin	Mary Lucretia Kenefick
Joseph Francis Molony	Edna Winnifred Lear
John Francis McArdle	Nellie Theresa Murphy
William Francis McColough	Annie Ferguson McDougall
Raymond Ralph McCoy	Anna Cecelia McGowan
John Joseph O'Connor	Agnes Cecelia McLaughlin
Alfred Perrin	Minnie Rosalie McMahon
Thomas Martin Regan	Honorina Queenan
Ernest Harrison Smith	Theresa Gertrude Ready
James Francis Smith	Lulu Frances Shay
William Francis Smith	Agnes Mary Sherlock
Manuel Eusebio Sousa	

STENOGRAPHY COURSE

William Francis Murray	Ellen Frances Christian
William Joseph Scanlon	Maud Eliza Cochran
Gustaf William Wikstrom	Mary Agnes Dillon
	Thora Ebba Matilda Johnson
	Agnes Elizabeth Mulvey

EVENING DRAWING SCHOOLS

These schools have continued their good work this year as usual. The machine drawing class has had forty sessions, meeting Monday and Thursday evenings through twenty weeks. The interest taken by the students of this class may be judged by the fact that about 75 per cent of their work is done at home. The architectural class has met on Tuesday and Friday evenings, also having forty lessons in all. The freehand classes have met four evenings a week, and so have had eighty sessions, but it has been with alternating relays of both pupils and teachers, so that, with the exception of the principal, neither get more than forty lessons. The course is three years in either department. The first two undoubtedly increase the efficiency and the earning capacity of all who take them, and have been to many the starting point and preparation for eminent success. The freehand and modeling also have their practical side, and have been of pecuniary and professional advantage to some, but their value to the most of their pupils has been in the broader culture, the higher appreciation of beauty and of art, and the ability to express themselves with pencil, crayon, brush or clay, esthetic advantages which are beyond price whether they bring one more money or not. I believe these schools are all worthy of more attention and a larger attendance. They have been in the city for many years, yet the general public knows scarcely anything of them. Students desiring to become draughtsmen or architects seek out the first two, and classes are fairly large, larger this year than last, but the multitude who would enjoy the freehand and modeling work and be profited by it know very little about it. I believe that it is worth investigating and that if the advantages it offers were more widely known the number of its pupils would be increased ten fold.

Statistics of the last completed term are given herewith:

CLASSES	Teachers at Opening of Terms	Teachers at Close of Term	WHOLE NUMBER ON TIME BOOKS			AVERAGE NUMBER BELONGING			AVERAGE ATTENDANCE			Per Cent. of Attendance
			Males	Females	Total	Males	Females	Total	Males	Females	Total	
Machine	10	9	121		121	109		109	71		71	65
Architectur'l	4	4	51	1	52	37	1	38	28	1	29	76
Modeling	1	1	22	12	34	10	7	17	7	5	12	70
Free-Hand...	5	5	64	43	107	40	30	70	32	25	57	81
Totals	20	19	258	56	314	196	38	234	138	31	169	73

The work of the truant officers has been done this year with efficiency and success, both in looking after absentees from school and in the enforcement of labor laws. In no city of which I have any knowledge is this latter work done with as much system and care as in Lowell, and I doubt if our officers are surpassed by any others anywhere in this respect. School visitation and the investigation of absences of pupils have also been systematized to the advantage of the service, two men going separately, one with the team and the other nearer the center of the city and in the compactly settled sections going afoot, are able to do almost twice as much work as two men could do going together, as was formerly done. Their report follows my own.

In conclusion I desire again to thank the teachers, truant officers, and all connected with the school department for the zeal they have shown in their work, and for the many kindnesses extended to me, and to express again my high appreciation of the confidence of the school committee shown far less in an annual election than in constant kindness and assistance.

Respectfully submitted,

ARTHUR K. WHITCOMB,
Superintendent of Schools

REPORT OF THE TRUANT COMMISSIONERS FOR THE YEAR 1907.

	Total number cases investigated	Absentees	Truants	Wandering about the streets	Visited second time	Visited third time	Violating the rules of school	Arrested	Sent to the Middlesex County Truant School	Placed on probation	Prosecution of parents	Working certificates issued—(14 to 16 yrs. of age)	Working certificates approved—over 16 yrs. of age.
January	303	269	34	24	16	9	0	0	0	0	0	98	37
February	266	241	25	23	30	20	0	7	3	4	1	63	7
March	270	232	38	34	30	15	0	9	6	3	1	98	48
April	337	267	70	39	14	3	0	9	9	0	0	95	20
May	311	251	60	39	8	5	0	6	4	2	0	80	21
June	127	95	32	15	12	6	0	7	7	0	0	183	41
July												375	40
August												129	13
September	45	33	12	29	12	7	0	0	0	0	0	142	21
October	371	297	74	31	18	9	0	8	4	4	0	183	49
November	259	216	43	31	8	5	0	1	0	1	0	98	45
December	120	102	28	29	8	7	0	9	8	1	0	26	19
Totals	2409	2003	416	294	156	86	0	56	41	15	2	1570	361

Number of cases of contagious diseases reported to the School Department for the year ending December 31, 1907.

Diphtheria	259	Scarlet Fever	104
Measles	53	Membranous Croup	5
Cerebro Spinal Meningitis	8		

Roll of Teachers

Giving Name, Grade, Residence, Date of Election and Salary

HIGH SCHOOL

Kirk and Anne Sts.

CYRUS W. IRISH, Headmaster, 308 Nesmith street	1885	\$3000
FRANK B. SHERBURNE, Sub Master, 58 Dover street, Greek and Latin	1883	2500
MARY A. WEBSTER, First Assistant, 45 Varney street, English and Mathematics	1859	1000
CHARLOTTE E. DRAPER, 63 Dover street, Cæsar, Astronomy, Geology, Geometry	1870	1000
SUSIE L. D. WATSON, 390 East Merrimack street, United States History and Mathematics	1885	1000
ADELAIDE BAKER, 136 Myrtle street, French.....	1885	1000
JENNIE L. ALLEN, 947 Middlesex street, Physics and Physiology	1885	1000
EMMA L. BRADLEY, 485 Westford street, French.....	1890	900
GERTRUDE A. RODLIFF, Chelmsford, Mass., History and English	1890	900
MARIETTA CASSIDY, 4 Fifth avenue, Latin and Algebra	1890	900
GEORGIANA F. VINTON, 52 Fourth street, History, English and Algebra	1872	1000
GRACE M. GOODHUE, 120 School street, Ancient History and Latin	1893	900
BESSIE E. HUNTOON, 64 Warwick street, French and Physiology	1894	900
GRACE WARD, 279 Chelmsford street, Physics and Physical Geography	1895	900

MARY E. O'CONNOR, 84 Methuen street, History and English	1896	900
CARL D. BURTT, 93 Fort Hill avenue, Greek and German	1895	2000
FREDERICK R. WOODWARD, 168 Sixth street, Mathematics	1895	2000
HELEN M. LAMBERT, 283 Pawtucket street, Chemistry	1897	800
THOS. F. FISHER, 305 East Merrimack street, Manual Training	1898	1500
MARY G. STEVENS, 362 East Merrimack street, English and History	1900	900
MARY H. KILLPARTRICK, 609 Stevens street, English and Commercial Geography	1901	800
ADELAIDE E. SWEETSIR, 276 Westford street, English and Algebra	1902	800
MARGARET V. SPEAR, 576 Westford street, French and English	1902	800
MIRION H. MILNER, 305 East Merrimack street, Physical Culture and Elocution	1902	1000
ETHEL W. WHITCOMB, 2 Belmont street, Shorthand and Typewriting	1903	800
EDWIN M. ROBERTS, 74 Stevens street, Manual Training	1904	1100
ETHEL M. EVERETT, 12 Belmont street, English and Algebra	1905	800
ELIZABETH H. MURPHY, 159 Third avenue, French and English	1905	800
ALICE RICHARDSON, 213 Branch street, Algebra and English	1905	800
ALBERT D. MACK, 88 Warwick street, Shorthand.....	1906	1200
JOHN E. BARR, 53 Beech street, Algebra and English	1906	1000
WM. W. DENNETT, 58 Seventh street, Algebra and English	1906	1000

ERNEST M. HUNT, 49 Kirk street, Bookkeeping	1907	1500
HUBERT G. FISHER, temp., 49 Kirk st., Bookkeeping		
LILLIAN E. EDGERLY, temp., 27 Anne st., Bookkeeping		
COLBY T. KITTREDGE, 14 Ralph street, Military Instructor	1901	500
FORDYCE COBURN, M. D., Wyman's Exchange, Medical Director	1905	200
KATHARINE H. COGGESHALL, 15 Waugh street, Secretary	1899	600
MABEL A. METCALF, 93 Vernon street, Librarian		450

BARTLETT GRAMMAR SCHOOL

Wannalancit Street

CYRUS A. DURGIN, Master, 117 Bowers street	1891	\$2000
BELLE A. PRESCOTT, gr. 9, 68 Mt. Washington street	1878	700
CHARLOTTE M. MURKLAND, gr. 8, 117 Bowers st.	1898	650
BLANCHE A. CHENEY, gr. 8, 34 Arlington street	1896	700
AMY L. TUCKE, gr. 7, 111 Butterfield street	1880	700
FRANCES CLARK, gr. 7, Chelmsford Centre	1899	650
BELLE F. BATCHELDER, gr. 6, 66 Arlington street.....	1883	700
MARY E. WALSH, gr. 6, 9 Corner street	1897	700
MARIA W. ROBERTS, gr. 5, 414 Andover street	1875	700
KATHERINE F. FARLEY, gr. 5, 4 Fifth avenue	1907	650
ALICE D. SUNBURY, gr. 4, 142 Wilder street	1899	650
CAROLINE H. McGARVEY, gr. 4, 34 Laurel street.....	1905	650

BARTLETT PRIMARY SCHOOL

BRIDGET K. SMITH, gr. 3, 117 Stackpole street	1904	\$ 650
SARAH E. AMES, gr. 2, Y. W. C. A.	1902	650
A. GERTRUDE STILES, gr. 2, 72 Varney street	1895	700
MARY C. LADD, gr. 1, 688 Broadway	1906	650
ESSIE E. ROCHE, gr. 1, 1875 Middlesex street	1903	650

MORRILL SCHOOL

Common and Adams Streets

NELLIE M. BROWN, Principal, gr. 3, 426 Fletcher st.....	1865	\$ 750
MARY G. QUINN, gr. 3, 28 Chapel street	1906	650
ANNA M. COURTNEY, gr. 2, 196 Pawtucket street	1887	750
AGNES T. COURTNEY, gr. 1, 11 Marsh street	1891	700

CROSS STREET SCHOOL

Cross Street between Fletcher and Mt. Vernon Streets

SARAH E. SCALES, Principal, gr. 3	1866	\$ 750
ELLEN M. WHITE, gr. 2, 1057 Middlesex street	1883	700
KATHERINE KELLY, gr. 1, 113 School street	1893	700

BUTLER GRAMMAR SCHOOL

Gorham Street

CORNELIUS F. CALLAHAN, Master, 143 Westford st.	1885	\$2000
NELLIE F. MURPHY, gr. 9, 85 Sherman street	1878	700
MARGUERITE J. CRONIN, gr. 9, 228 Plain street	1900	650
AGNES M. FOLEY, gr. 8, 37 Newhall street	1887	700
MARY E. LANE, gr. 8, Billerica	1894	700
DELIA T. BRADY, gr. 7, 183 Chapel street	1883	700
KATE E. KELLEY, gr. 7, 129 Moore street	1883	700
ALICE C. O'BRIEN, gr. 6, 7, 22 William street	1897	700
SADIE E. TULLY, gr. 6, 105 Westford street	1897	700
MARY L. CROWLEY, gr. 6, 6 Appleton Place	1902	650
ANNIE J. DEVINE, grs. 5, 6, 110 Carlisle street	1901	650
MARY L. McSORLEY, gr. 5, 34 Nesmith street	1879	700
ETTA G. BURNS, gr. 5, 329 Concord street	1901	650
KATHERINE M. USHER, gr. 4, 465 Parker street	1895	700
JOANNA V. HOAR, gr. 4, 87 Mt. Washington street	1901	650

MARGARET G. HYDE, gr. 4, 5 Floyd street	1902	650
KATHERINE M. JANTZEN, gr. 4, 3 Olive street	1902	650

LYON STREET SCHOOL

Corner Lyon and Central Streets

ALICE T. LEE, Principal, gr. 3, 12 South Walker street	1878	\$ 750
ANNABEL COSTELLO, gr. 2, 293 Nesmith street	1888	700
MARY J. McCARRY, gr. 1, 536 Fletcher street	1881	700
NELLIE A. HUNT, gr. 1, 68 Elm street	1884	700
ANNIE M. MAGUIRE, gr. 1, 2, 12 So. Walker street	1906	650

CARTER STREET SCHOOL

Carter Street

ISABELLA T. VINALL, Principal, gr. 3, 1 Glidden ave.	1873	\$ 750
MARGARET J. CONNORS, gr. 2, 48 Walnut street	1894	700
KATHERINE F. BRADY, gr. 2, 173 Chapel street	1897	700
MARY V. JOHNSON, gr. 1, 23 Lombard street	1897	700
DELIA C. MALONEY, gr. 1, 70 Elm street	1901	650

AGAWAM STREET SCHOOL

Agawam and Barrington Streets

MARY A. FAY, Principal, gr. 3, 115 Stackpole street	1889	\$ 750
SUSAN G. NEILON, gr. 2, 135 Andrews street	1895	700
EVA MAGOON, gr. 1, 2 Tyler street	1904	650

LONDON STREET SCHOOL

Corner of London and West Streets

ELIZABETH R. MAGUIRE, Principal, gr. 3, 204 Moore street	1884	\$ 750
MARY F. HILL, gr. 1, 2, 94 Midland street	1887	700
MARGARET L. HAGERTY, temp., 31 Royal street		450

WEED STREET SCHOOL

Corner of Weed and Gorham Streets

LILLA M. McEVOY, Principal, gr. 3, 181 Moore street	1893	\$ 750
MARY E. CROWLEY, gr. 2, 436 Lincoln street	1905	650
MARY F. DEVINE, gr. 1, 1527 Gorham street	1902	650

EDSON GRAMMAR SCHOOL

Highland Street

CALVIN W. BURBANK, Master, 130 Bowers street	1872	\$2000
FRANCES M. WEBSTER, gr. 9, 45 Varney street	1873	700
ROSALIE T. BURNS, gr. 8, 39 Whitehead avenue	1878	700
ANNIE E. DONOVAN, gr. 7, 26 Madison street	1895	700
BERTHA M. ROWLANDSON, gr. 7, 11 Holyrood ave.	1891	700
KATE J. HAYES, gr. 6, 15 Floyd street	1879	700
MARGIE F. MARREN, gr. 6, 14 Glidden avenue	1886	700
SARAH J. CROSBY, gr. 5, 12 Simpson Place	1868	700
JULIA A. KENNEY, gr. 5, 73 Fletcher street	1901	650
MARY A. BALCH, gr. 4, 257 Appleton street	1865	700
JULIA B. RIORDAN, gr. 4, 58 Second avenue	1897	650
LORETTA L. WARD, gr. 4, 220 Fletcher street	1905	650

CHARLES STREET SCHOOL

Charles Street, between Gorham and Chapel Streets

ALICE T. OWENS, Principal, gr. 3, 4 Belmont street	1878	\$ 750
ELLA E. GARDNER, gr. 2, 225 Branch street	1871	700
ELLEN A. O'CONNELL, gr. 2, 48 Mead street	1896	700
MARGARET A. HARRAHAN, gr. 1, 32 Marshall street	1882	700

COTTAGE STREET SCHOOL

Corner Cottage and Chapel Streets

ROSE E. MacVEY, Principal, gr. 2, 46 Linden street	1887	\$ 750
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ANNIE L. MURPHY, gr. 3, 870 Gorham street	1901	650
E. LAURA MOORE, gr. 1, 8 Pine street	1905	650

ELIOT SCHOOL

Corner Favor and Summer Streets

ELLEN A. STILLINGS, Principal, gr. 1, 2, 24 Bellevue street	1875	\$ 750
ELLEN A. CORBETT, gr. 3, 32 Highland street	1878	700
NELLIE T. O'GRADY, gr. 2, 73 Newhall street	1881	700
LOYOLA McCANN, gr. 1, 17 Wentworth avenue	1893	700
MARY I. HALLORAN, temp., 546 E. Merrimack street		450

GREEN GRAMMAR SCHOOL

Merrimack Street

ALBERT L. BACHELLER, Master, 195 Nesmith street	1874	\$2000
RUTH B. BAILEY, gr. 9, 18 Loring street	1871	700
CLARA A. HANAFORD, gr. 8, 142 Wilder street	1869	700
SADIE F. McCORT, gr. 8, 13 Ralph street	1901	650
LIZZIE A. NOLAN, gr. 7, 301 Pawtucket street	1876	700
ESTHER G. DONLAN, gr. 7, 455 High street	1897	700
JENNIE E. FAY, gr. 6, 115 Stackpole street	1891	700
MARY M. KEARNEY, gr. 6, 94 Andrews street	1895	700
LENA A. GOOKIN, gr. 5, 20 Walden street	1880	700
CATHERINE F. MCCARTHY, gr. 5, 647 Market street	1889	700
ELLA J. CARLETON, gr. 4, 1072 Bridge street	1882	700
ANNIE T. DELAY, gr. 4, 87 Mt. Washington street.....	1900	650
HANNAH M. BARROWS, gr. 4, 19 Newhall street.....	1906	650

KIRK STREET SCHOOL

Corner Kirk and Lee Streets

ELIZA A. DAVIS, Principal, gr. 2, 3, Billerica	1881	\$ 725
LAURA H. PALMER, gr. 1, 2, 35 Thirteenth street	1882	700

CABOT STREET SCHOOL

Corner Cabot and Ford Streets

KATHERINE T. LENNON, Principal, gr. 3, 144 School street	1885	\$ 750
MARY T. WHELLEY, gr. 2, 1 Fenwick street	1897	700
MARY J. MURPHY, gr. 1, 34 Butterfield street	1887	700

CHEEVER STREET SCHOOL

Cheever Street

IDA J. CLARKE, Principal, grs. 2, 3, 26 Ash street	1887	\$ 750
ANNA A. SARGENT, gr. 1, 223 Liberty street	1864	700
ELIZABETH PROVENCHER, temp., Chelmsford		450
ELLEN F. CULL, temp., 41 Royal street		450

WORTHEN STREET SCHOOL

Worthen Street, between Market Street and Broadway

MARY J. ALGER, Principal, gr. 1, 571 Westford street	1868	\$ 750
ESTHER V. GREEN, gr. 2, 27 Waugh street	1889	700
MARY R. MARREN, gr. 3, 14 Glidden avenue	1890	700
MARY E. MEEHAN, gr. 1, 224 Worthen street	1891	700

GREENHALGE GRAMMAR SCHOOL

Ennell Street, Centralville

FREDERICK A. WOOD, Master, 295 Pawtucket street	1906	\$1400
MARY E. TOBIN, gr. 8, 40 Linden street	1906	650
MARY E. THOMAS, gr. 7, 40 West Sixth street	1902	650
ANNIE V. DONOHUE, gr. 6, 24 So. Loring street	1904	650
MAUD E. MOODY, gr. 5, 25 Lane street	1906	650
C. ETHEL HALE, grs. 6, 4, 15 Robbins street	1906	650
ANNIE L. MAHONEY, gr. 4, 41 Butterfield street	1906	650

GREENHALGE PRIMARY

MARTHA ROGERS, gr. 3, 131 Cumberland Road	1895	700
M. JOSEPHINE DONEHUE, gr. 2, 891 Bridge street	1900	650
ALICE A. MASTERSON, gr. 1, 352 Christian street	1892	700
BLANCHE E. MARSHALL, gr. 1, temp., 48 Marginal st.		450

LAKEVIEW AVENUE SCHOOL

Lakeview Avenue, Centralville

MARGARET J. McCLUSKEY, gr. 3, 246 Methuen street	1890	750
ALICE E. RAMSAY, gr. 2, 124 Third street	1906	650
ANNA F. JOYCE, gr. 1, 22 Twelfth street	1906	650
ANNIE E. IRVING, temp., gr. 1, 119 West street.....		450

HIGHLAND GRAMMAR SCHOOL

Pine Street

CHARLES W. MOREY, Master, 14 Belmont street	1880	\$2000
FLORA I. MOFFITT, gr. 9, 502 Wilder street	1887	700
MARY F. FOSS, gr. 9, 248 Foster street	1891	700
ESTELLE L. WHITNEY, gr. 8, 13 Oakland street	1885	700
ABBIE F. WOODWARD, gr. 8, 157 Dartmouth street	1869	700
HELEN A. DOW, gr. 8, 149 B street	1905	650
LEONORA K. BATTLES, gr. 7, 11 Edson street	1895	700
EDITH V. COCKERILLE, gr. 7, 210 School street	1906	650
ANNA A. BURNHAM, gr. 7, 14 Belmont street	1894	700
LUELLA A. WARDWELL, gr. 6, 13 Oakland street	1870	700
MINNIE C. GRAY, gr. 6, 106 Liberty street	1890	700
JENNIE E. ROGERS, grs. 5, 6, 271 Gibson street	1904	650
FANNIE M. CLARK, gr. 5, R. F. D. No. 1	1874	700
LULU TURNER, gr. 5, 339 Westford street	1900	650
GRACE F. WARD, gr. 5, 6 Appleton Place	1893	700

GRACE R. SANDERS, gr. 4, 67 South Loring street	1897	700
MABEL E. BROWN, gr. 4, 172 Branch street	1901	650
CATHERINE G. O'SULLIVAN, gr. 4, 105 Mt. Washington street	1905	650
ARVILLA L. READER, gr. 4, 216 Appleton street	1871	700

FRANKLIN SCHOOL

Corner Branch and Middlesex Streets

SARAH C. FISKE, Principal, gr. 3, 246 Appleton street	1866	\$ 750
LIZZIE S. LOWE, gr. 2, 13 Nichols street	1857	700
MARION J. STEVENSON, grs. 1, 2, 63 Princeton street	1878	700
KATE G. JONES, gr. 1, 240 Jewett street	1880	700

PINE STREET SCHOOL

Corner Pine and Gibson Streets

CARRIE J. BAILEY, Principal, gr. 3, 16 Loring street....	1884	\$ 750
GRACE I. WASHBURN, gr. 2, 15 Leroy street	1897	700
HELEN D. SWAIN, gr. 1, 52 Princeton street	1904	650

DOVER STREET SCHOOL

Dover Street, between Middlesex and Grove Streets

CLARA B. HORNE, Principal, gr. 3, 87 South Highland street	1877	\$ 750
CLEMENTINE H. BOWERS, gr. 2, 18 Loring street	1876	700
BERTHA GARDNER, gr. 1, 32 Robbins street	1887	700

MIDDLESEX VILLAGE SCHOOL

Middlesex Street, corner Cornell Street

HARRIET F. WAKEFIELD, Principal, grs. 5 and 6, 2 Loring street	1889	\$ 750
KATHERINE G. EGAN, grs. 3 and 4, 17 Princeton st....	1904	650
GERTRUDE E. DANE, grs. 1 and 2, 271 Gibson street....	1905	650

POWELL STREET SCHOOL

Powell Street, near Liberty Street

VIOLA A. HAMBLETT, Principal, gr. 1 and 2, 463 School street	1876	\$ 725
ELLEN J. PIPER, gr. 2 and 3, 55 Norcross street	1894	700

ABRAHAM LINCOLN GRAMMAR SCHOOL

Chelmsford Street

JAMES L. MELLEN, Master, 74 Pentucket avenue	1893	\$2000
MARGARET M. SPARKS, gr. 9, 169 Fort Hill ave.	1894	700
GRACE SCRIBNER, gr. 8, 190 Liberty street	1893	700
BRIDE T. SWEENEY, gr. 7, 138 Pleasant street	1900	650
IRMA V. HODGMAN, gr. 7, 239 Stevens street	1897	700
ESTHER M. DOWNING, gr. 6, 27 Waugh street	1904	650
ALICE L. GOOKIN, gr. 6, Wamesit	*1902	650
HELEN J. O'HEARN, gr. 5, 649 Westford street	1900	650
MARGARET G. McDONALD, gr. 5, 397 Broadway	1904	650
ELLEN L. FLOYD, gr. 4, 124 Stevens street	1887	700
ELLA E. PRESCOTT, gr. 4, 169 Liberty street	1894	700
EDITH B. KELLEY, temp., gr. 4, Y. W. C. A.		450

Primaries in Lincoln School Building

ELSIE M. PUFFER, gr. 1, 942 Middlesex street	1901	650
LILLIAN A. STROUT, gr. 1, 95 So. Loring street	1906	650

HOWARD STREET SCHOOL

Howard Street, between Chelmsford and Hale Streets

MARION E. GREENE, Principal, gr. 3, 96 Pine street....	1884	\$ 750
MARGARET S. JAMIESON, gr. 2, 112 Shaw street	1904	650

GRAND STREET SCHOOL

Grand Street, between Westford and Middlesex Streets

JENNIE M. BENNETT, grs. 1 and 2, 24 Bellevue street	1885	\$ 700
CORINNA G. COVER, gr. 1, 16 Lombard street	1901	650

LAURA E. LEE SCHOOL

Corner Plain and Powell Streets

FLORA H. SPRAGUE, Principal, gr. 3, 589 School street	1882	\$ 750
REBECCA A. GARDNER, gr. 2, 75 Pine street	1906	650
LILLA M. STANLEY, gr. 2, 2 Horn street	1897	700
SADIE M. DEANE, gr. 1, 82 B street	1902	650
LENA M. ROBINSON, gr. 1, 68 So. Walker street	1898	650

MOODY GRAMMAR SCHOOL

Corner High and Rogers Streets

WILLIAM S. GREENE, Master, 214 Third street	1883	\$2000
MERCENA F. WHITEHORN, gr. 9, 268 E. Merrimack street	1877	700
CARRIE A. PAUL, gr. 8, 11 Porter street	1891	700
NELLIE C. MAHONEY, gr. 8, 17 North street	1898	650
IDA L. SAMUELS, gr. 7, 56 Fifth avenue	1898	650
MARTINA F. McMAHON, grs. 6 and 7, 33 Mead street	1905	650
ELLA M. BREEN, gr. 6, 23 Marsh street	1893	700
FRANCES E. HARDMAN, gr. 5, 263 Fairmount street	1873	700
FRANCES E. GARRITY, gr. 5, 190 Shaw street	1874	700
FLORA A. OWEN, gr. 4, 11 Porter street	1900	650
ALICE H. BACHELLER, gr. 4, 195 Nesmith street	1906	650

POND STREET SCHOOL

Corner High and Pond Streets

WINIFRED C. HAGGERTY, Principal, gr. 2, 52 Huntington street	1884	\$ 750
ADELAIDE CROWLEY, gr. 1, 115 Fort Hill avenue....	1894	700
GERTRUDE SEEDE, gr. 3, 85 Dover street	1906	650

HIGH STREET SCHOOL

High Street, between Chestnut and Everett Streets

CLARA A. EMERSON, Principal, gr. 3, 216 Appleton st.	1869	\$ 750
MARY G. COURTNEY, gr. 2, 75 Chestnut street	1904	650
MAUDE E. GREEN, gr. 1, 238 East Merrimack street....	1900	650

SYCAMORE STREET SCHOOL

Sycamore Street

FLORENCE E. ROWELL, Principal, gr. 2 and 3, 60 Porter Terrace	1900	\$ 675
ELIZABETH B. DAME, gr. 1 and 2, 178 First street....	1902	650

PAWTUCKET GRAMMAR SCHOOL

Mammoth Road, Pawtucketville

WILLIAM P. BARRY, Master, 1280 Middlesex street....	1887	\$2000
ELLEN M. MacDONALD, gr. 9, 20 Lombard street	1878	700
CARRIE M. HART, gr. 8, 16 Varney street	1887	700
CHRISTINE CAMERON, gr. 7, 872 Mammoth Road	1906	650
CHARLOTTE C. WALSH, gr. 6, 76 Mt. Vernon street	1902	650
JULIA M. HEALEY, gr. 5, 11 Warwick street	1870	700
GOLDIE M. GARDNER, gr. 4, 15 Columbus avenue	1898	650
MAUDE M. HARDY, gr. 6, 25 Waugh street	1901	650

NEW MOODY STREET SCHOOL

New Moody Street

ELLEN M. HOLDEN, Principal, gr. 3, 2191 Lakeview avenue	1876	\$ 750
EUGENIA L. HOGAN, gr. 2, 182 Mt. Vernon street	1889	700
NELLIE F. DAVIDSON, gr. 2 and 3, 64 Warwick street	1891	700
ALICE B. BESSE, gr. 1 and 2, 581 Rogers street	1891	700
ELIZABETH A. HART, gr. 1, 16 Varney street	1886	700
ANNA I. CASSIDY, gr. 1, 4 Fifth avenue	1902	650

LEXINGTON AVENUE

Lexington Avenue, near Varnum Avenue

HELEN KOHAWN, ungraded, 63 Thirteenth street	1877	\$ 725
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RIVERSIDE GRAMMAR SCHOOL

Woburn Street, Wigginvillle

ALICE T. NEAL, Principal, grs. 7 and 8, 105 Moore st.	1906	\$ 700
ESTHER M. GREENE, grs. 5 and 6, 179 Warwick street	1906	650
FRANCES J. CUNNINGHAM, gr. 4, 517 Rogers street	1906	650

RIVERSIDE PRIMARY SCHOOL

SUSAN C. GRIFFIN, gr. 3, 580 School street	1906	650
ETTA M. SMITH, gr. 2, 1010 Lawrence street	1906	650
MARY E. CASSIDY, gr. 1, temp., 44 B street		450

TRAINING SCHOOL

Charles and Lawrence Streets

(Telephone 531-3)

GERTRUDE EDMUND, Principal, Y. W. C. A., John st.	1895	\$2000
MABEL W. EWINGS, 3 Astor street	1891	900
ADDIE B. MERRILL, 465 Bridge street	1892	900

HELEN M. SHEAN, 169 Fort Hill avenue	1891	900
HARRIET L. WHEELER, 14 Phillips street	1900	900
MARGARET C. FOX, gr. 9, 8 Eddy street	1900	650
GRACE C. DELANEY, gr. 2, 791 Broadway	1900	650
MABEL H. ELA, 59 Thayer street	1900	650
MARY E. SNOW, gr. 1, 89 School street	1901	650
KATHERINE M. TOBIN, temp., 40 Linden street		450
SUSAN F. BURBANK, 130 Bowers street		300
CLOTILDA A. DELANY, 791 Broadway		300
ALICE M. FRENCH, Y. W. C. A.		300
ELIZABETH A. GILINSON, 250 Plain street		300
FANNIE G. HOBBS, 75 Fort Hill avenue		300
CORA E. JONES, 96 Fort Hill avenue		300
ELEANOR J. LeLACHEUR, 126 Avon street		300
CHARLOTTE O. LOWE, No. Chelmsford		300
ELLEN F. LYNCH, 11 Salem street		300
CHARLOTTE A. PARSONS, 485 Westford street		300
ALICE O. STICKNEY, 599 School street		300
GRACE M. THURBER, 52 Fourth street		300

CENTRAL STREET SCHOOL

Central Street, opposite Hudson Street

ELIZA COWLEY, Principal, gr. 3, 484 Rogers street	1857	\$ 750
ELIZABETH G. LAWLER, gr. 2, 260 High street	1897	700
ANNA T. COBURN, gr. 2, 27 Methuen street	1904	650
HELEN A. DRURY, gr. 1, 44 Walnut street	1897	700

AMES STREET SCHOOL

Corner Lawrence and Ames Street

MARY E. DREW, Principal, gr. 2, 36 Wamesit street.....	1868	\$ 750
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KATE F. MURPHY, gr. 3, 870 Gorham street	1885	700
EDITH FARRINGTON, gr. 1, 182 Perry street	1905	650

VARNUM GRAMMAR SCHOOL

Myrtle Street, Centralville

HENRY H. HARRIS, Master, 93 Eleventh street	1893	\$2000
ELIZABETH C. KENNEDY, gr. 9, 106 Durant street....	1884	700
MARY F. WING, gr. 9, 3 Myrtle street	1879	700
AGNES BAILEY, gr. 9, 53 Third street	1900	650
DAISY B. MacBRAYNE, gr. 8, 24 Beech street	1900	650
GRACE W. BALCH, gr. 8, 117 Third street	1894	700
ELIZABETH M. BUTLER, gr. 7, 142 Third street	1901	650
MARY A. FAY, gr. 7, 303 Tenth street	1898	650
AGNES T. FAY, gr. 7, 303 Tenth street	1891	700
ELIZABETH F. GARRA, gr. 6, 109 Bartlett street	1893	700
ROSE A. DOWD, gr. 6, 237 Tenth street	1884	700
ALICE R. KEESE, gr. 5, 71 Robbins street	1881	700
MARGARET F. HOWE, gr. 5, 208 South street	1900	650
ADA E. HOOLE, gr. 4, 173 Warren street	1894	700
JULIA WILLIAMS, gr. 4, 156 Sixth street	1886	700

WEST SIXTH STREET SCHOOL

West Sixth Street, between Coburn and Jewett Streets, Centralville

STELLA J. ALLEN, Principal, gr. 3, 115 Third street....	1879	\$ 750
ELIZABETH F. LAMERE, gr. 2, 63 Canton street	1887	700
MARION S. KEYES, grs. 1 and 2, 102 Third street	1888	700
MARY J. CALLAHAN, gr. 1, 117 Durant street	1895	700

TENTH STREET SCHOOL

Corner Tenth and Varnum Streets, Centralville

MARY F. BEANE, Principal, gr. 3, 212 Tenth street	1879	\$ 750
FANNIE H. MURPHY, gr. 2, 42 Twelfth street	1889	700
ALICE A. HOLTHAM, gr. 1 and 2, 1107 Bridge street	1887	700
ELLA A. BAILEY, gr. 1, 27 Fremont street	1869	700

BILLINGS STREET SCHOOL

ANNIE M. ROBBINS, Principal, gr. 3, 62 Twelfth street	1895	\$ 750
ETTA FOYE, gr. 2, 201 Market street	1901	650
ELIZABETH H. SEEDE, gr. 1, 85 Dover street	1906	650

Kindergartens**AGAWAM STREET**

SARAH G. SPARKS, Principal, 59 Elm street	1894	\$ 550
ROSEMARY LENNON, 39 Carter street	1895	500

BARTLETT SCHOOL

E. BELLE PERHAM, Principal, 90 Riverside street	1893	550
EDITH A. ANDREWS, 77 Fort Hill avenue	1897	500

CHARLES STREET

MABEL D. NICKERSON, Principal, 136 Chestnut street	1893	550
S. ALICE KNAPP, 336 E. Merrimack street	1899	500

CHAPEL STREET

MARIETTA G. GORMLEY, Principal, 22 Lyon street	1895	550
KATHERINE C. EARLEY, 181 Pleasant street	1896	500

DOVER STREET

ELIZABETH A. WILSON, Principal, 15 South Canton street	1893	550
ELLA M. PENN, 262 London street	1901	500

FRANKLIN SCHOOL

N. GRACE TAYLOR, Principal, 11 Ware street	1895	550
HORTENSE M. LAMERE, 6 West Eleventh street	1899	500

LINCOLN SCHOOL

ELSIE M. CRAGIN, Principal, 114 South Walker street	1895	550
GERTRUDE A. ROBERTS, 74 Stevens street	1897	500

MOODY SCHOOL

MARY C. WALKER, Principal, 100 Appleton street	1893	550
ALICE F. SEETON, 158 Mammoth road	1901	500

MORRILL SCHOOL

HELEN W. NOYES, Principal, 49 Nesmith street	1896	550
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PAWTUCKET

MARIETTA KING, Principal, 205 Stackpole street	1895	550
S. HORTENSE TABOR, 82 Riverside street	1896	500

LAURA E. LEE SCHOOL

EDITH A. HOWITT, Principal, 52 Myrtle street	1897	550
HELEN S. LIVINGSTON, temp., 28 Robbins street		350

PINE STREET

LOUIE I. SMITH, Principal, 11 Loring street	1895	550
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VARNUM SCHOOL

NETTIE M. CONANT, Principal, 93 Vernon street	1892	550
CLARA M. EVERETT, 75 Beacon street	1896	500
MARION A. HARRISON, temp., 29 Whitney avenue.....		350

SUPERVISOR OF KINDERGARTENS

ANNA W. DEVEREAUX, Tel. 957, 9 Nesmith street	1893	500
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MUSICAL DIRECTOR

FREDERICK O. BLUNT, Tel. 1153-2, 409 Westford st...	1898	1250
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ASSISTANT IN MUSIC

JOSEPHINE C. COBURN, Tel. 947-12, 25 Fifth street	1903	800
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SUPERVISORS OF DRAWING

OLIVE E. UNDERHILL, 117 Branch street	1887	750
ADDIE E. EDWARDS, 550 Westford street	1907	750

TEACHER OF SEWING

IDA J. FLINT, 200 Liberty street	1880	800
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Training School Graduates

CLASS OF JUNE, 1905

Mary E. Cassidy, 44 B street
Ellen F. Cull, 31 Royal street
Margaret L. Hagerty, 31 Royal street
Annie E. Irving, 119 West street
Christine M. Kane, 339 High street
Edith B. Kelley, Y. W. C. A., John street
Mabel A. Metcalf, 93 Vernon street
Elizabeth Provencher, Chelmsford
Harriet B. Whitaker, Tyngsboro

CLASS OF JUNE, 1906

Ida M. Bennett, Y. W. C. A., John street
Helen L. Clark, 297 E. Merrimack street
Grace D. Donovan, 256 Branch street
Anastasia E. Downing, 27 Waugh street
Josephine S. Dunlavy, 22 LaGrange street
Mary I. Halloran, 546 E. Merrimack street
Alice E. Leahey, 35 Oak street
Blanche E. Marshall, 48 Marginal street
M. Isabella Phelps, 50 Lamb street
Katherine D. Rafter, 12 Walker street
Marion A. Stevens, Dracut

CLASS OF JUNE, 1907

Minnie E. Coburn, 342 Westford street
Anna T. Coffey, 189 Wilder street
Florence R. Foote, 28 Wannalancit street
Eugenie V. Frappier, 26 Hampshire street
Grace E. Frye, 176 School street
Loretta A. Hannafin, 15 Sargent street
Anna M. Higgins, North Billerica
May E. P. Lowney, 40 Crowley street
M. Alice Mather, 112 Fort Hill avenue
Anna T. McCarron, 216 High street
Mary Richardson, 36 Ware street
Katherine M. Tobin, 40 Linden street

Teachers' Certificates

Granted since January 1, 1904

FIRST GRADE

Elmer Garfield Brennon, Dartmouth, '04, 71 Robbins street
R. B. Walsh, Harvard, '05, 419 Andover street
Victor L. Jewett, Harvard, '05, 1263 Middlesex street
Leon R. Whitcomb, University of Vermont, '05, 102 Loring street
Herbert D. Bixby, Tufts, '02, 80 D street
Fred K. Bryant, Harvard, '06, 154 Andover street

SECOND GRADE

Lisbeth D. Mann, Acadia, '03, Milltown, Me.
Annie Louise Hall, Vassar, '03, 48 Wannalancit street
Margaret W. Hall, Vassar, '03, 48 Wannalancit street.
Mabel A. Metcalf, Wellesley, '03, 93 Vernon street
Harriet B. Whitaker, Wellesley, '04, Tyngsboro
Florence R. Foote, Wellesley, '06, 28 Wannalancit street
M. Alice Mather, Wellesley, '06, 112 Fort Hill avenue
Alice O. Stickney, Wellesley, '07, 599 School street

FOURTH GRADE

Susan F. Burbank, Boston University, '02, 130 Bowers street
Helen S. Livingston, Normal, '05, 28 Robbins street
Marion A. Harrison, Lowell Normal, '05, 29 Whitney avenue
Alice M. Hill, Lowell Normal, '06, 76 Durant street
Marion C. Flagg, Lowell Normal, '06, Merrimac, Mass.
Grace E. Holden, Lowell Normal, '06, 61 Cambridge street, Lawrence
Vera M. Wood, Lowell Normal, '06, 51 Whitney avenue
Hattie G. Hills, Lowell Normal, '06, 38 Amherst street, Nashua
Ethel May Stevens, Lowell Normal, '06, 418 Walker street
Nina B. Wood, Lowell Normal, '01, 112 D street
Ethel H. Church, Lowell Normal, '07, 151 Princeton street

Salaries of Teachers

HIGH SCHOOL

Head Master	\$ 3000
First Sub-Master	2500
Men Teachers	800 to 2000
Women Teachers, first year	650
Women Teachers, second year	700
Women Teachers, third year and thereafter	800 to 1000

GRAMMAR SCHOOLS

Masters, (yearly increase, \$100)	\$1300 to 2000
Teachers, first 10 years, \$650; after ten years	700
Teachers of Drawing	750
Teachers of Music	800 to 1250
Teacher of Sewing	800

PRIMARY SCHOOLS

Principals of three or more rooms \$700; after ten years	\$ 750
Principals of two rooms \$675; after ten years	725
Teachers \$650; after ten years	700

TRAINING SCHOOL

Principal	\$2000
Four Assistants	900

KINDERGARTENS

Principals	\$ 550
Assistants, first year	400
Assistants, after first year	500

TEMPORARY TEACHERS

Men Teachers per day	\$ 3.00
Women Teachers	2.50
Kindergartens. First 3 months, \$1.25; after 3 months	1.75

Text Books Used in the Public Schools

PRIMARY SCHOOLS

First Readers, Many Series	Wilson's Historical Reader
Second Readers, Many Series	Davis's Stories of American History
Advanced Second and Third Readers, Many Series	Carroll's Around the World, Book I
Franklin Primary Arithmetic	Monroe's Reading Chart
Prince's Arithmetic by Grades	American Music Readers
Nichols' Graded Lessons in Number	American Music Chart
	Blaisdell's Child's Book of Health
	Heath's Vertical Writing Books

GRAMMAR SCHOOLS

Third Readers, Several Series	Reed's Word Lessons
Fourth Readers, Several Series	The Mother Tongue, Books I and II
Fifth Readers, Several Series	Frye's Primary Geography
Scudder's Fables and Folk Stories	Frye's Common School Geography
DeFoe's Robinson Crusoe	Eggleston's First Book in American History
Burrough's Birds and Bees	Scudder's History of the United States
Hawthorne's Wonder Book	Fiske's History of the United States
American Literature, Masterpieces	Montgomery's Histories of the United States
Southworth-Stone Arithmetics	Tappan's Our Country's Story
Carpenter's Geographical Readers	Guerber's Story of the Greeks
Carroll's Around the World	Guerber's Story of the English
Lewis's First Manual of Composition	Ashley's Citizen and Government
Union Series of Physiologies	Worcester's, Webster's, and Clarendon Dictionaries
Coleman's Physiologies	Werner Mental Arithmetic
Wentworth's First Steps in Algebra	Heath's Vertical Writing Books
Worcester's Speller	American Music Readers
The Morse Speller	
The Rational Spelling Book	
Chancellor's Spellers	
Quincy Word List	

HIGH SCHOOL

Chemistry, Physics and Other Sciences

Experimental Chemistry, Newell	Physics, Hoadley
Qualitative Analysis, Irish	Physiology, Kellogg
A Text-book of Physics, Hall-	Physiology, Overton
Bergen	Physiology, Blaisdell
Elements of Physics, Avery	Physiology, Foster and Shore
Botany, Gray	Physiology, Martin
Geology, Le Conte	Physiology, Walker
Physics, Gilley	Physiology, Colton
Elements of Chemistry, Williams	Tarr's Physical Geography
Herbarium, Wilson	Geology, Brigham
Lessons in Astronomy, Young	

English

Ancient Mariner, Coleridge	Ivanhoe, Scott
Chaucer to Arnold, George	Julius Cæsar, Shakespeare
Conciliation with America, Burke	Lessons in English, Buehler
Composition and Rhetoric, Scott	Macbeth, Shakespeare
and Denney	Lady of the Lake, Scott
English Composition, Shaw	Merchant of Venice, Shakespeare
Foundations of Rhetoric, Hill	Milton and Addison, Macaulay
Hill's Principles of Rhetoric	Milton's Lyrics
Silas Marner, Eliot	Idylls of the King, Tennyson
Sir Roger de Coverly Papers,	Vicar of Wakefield, Goldsmith
Addison	Introduction to English Literature
Story of the Odyssey, Church	Pancoast
Tales from Shakespeare, Lamb	Life of Oliver Goldsmith, Irving
Iliad, Pope	Vision of Sir Launfal, Lowell
Iliad, Bryant	

French

College Plays, Bocher	Class-book of French Composition,
Colomba, Merimee	Blouet
Le Cid, (Corneille)	French Dictionary, Heath
Contes et Legendes, II Guerber	French Grammar, Grandgent
Douze Contes Nouveaux, Fontaine	French Grammar, Fraser and Squair
French Reader for Beginners,	French Grammar, Worman
Kuhns	French Lyrics, Bowen
La Chute, Hugo	French Reader, Super
Le Tour de la France per deux	Exercises, Grandgent, III, IV, V
Enfants, Bruno	Exercises for French Composition,
	Kimball

La Mare au Diable, Sand	Grammaire Francaise, Larive et Fleury, 2me An.
La Famille de Germandre, Sand	French Syntax and Composition
La Fontaine's Fables, (American Book Company)	Bouvet
La Siege de Berlin	Le Conscrit de 1813, Erckmann-Chatrian
La Tache du Petit Pierre	Readings from French History, Super
Le Voyage de Monsieur Perrichon, Labiche	Selected Stories, Daudet
French Composition, Grandgent	L'Expedition de Bonaparte en Egypte, Thiers
Sight Reading, Rogers	French Commercial Reader, Pitman
La Grammaire, Labiche	Intermediate French, Jaques
Scenes de la Revolution Francaise, Lamartine	
Le Dix Septieme Siecle	

German

Hoher als die Kirche, Clary	Der Zerbrochne Krug, Joyne's
German Composition, Fasnacht	Schiller's Dreissigjahriger, Krieg
Traumereien, Leander	Schiller's Der Neffe Als Onkel
Heise's L'Arrabbiata	Joynes Meissner's German Grammar
Harris' German Lessons	Riehl's Der Fluchder Schonheit
Wesselhoëfts' German Composition	Gould's Tales from Hauff
Harris' German Composition	Dippold's Scientific German
Immensee, Storm's	Schiller's Jungfrau von Orleans
German Dictionary, Heath	

Greek

Anabasis	Greek Lexicon, Liddell and Scott
Greek Composition, Pearson	Greek Lexicon, White
Greek Composition, Woodruff	Greek Reader, Goodwin
Greek Grammar, Goodwin	Homer's Iliad, Seymour
Greek Lessons, White	Homer's Odyssey, Seymour

History

Age of Pericles, Grant	Greek Civilization, Mahaffy
American History, Montgomery	History of England, Coman and Kendall
Ancient History, Myers	History of English People, Green
English History, Montgomery	

English History, Higginson and Channing	History of Rome, Allen
European History, Adams	Johnston's American History
Fiske's School Histories	Plutarch's Lives, Kaufman
General History, Myers	Source Book, Hart
Greek History, Oman	U. S. History, McMaster
Greek History, Botsford	U. S. History, Channing
Greek Tragedians, Church	U. S. History, Scudder

Latin

Cæsar, Allen and Greenough	Latin Lexicon, White
Cicero, Allen and Greenough	Nepos, Barss
Gate to Cæsar, Collar	New Latin Composition
Latin Composition, Part I, Daniell	Ovid, Allen and Greenough
Latin Composition, Part II, Daniell	Sallust
Latin Composition, Collar	Virgil, Allen and Greenough
Latin, for Sight Reading, Tomlinson	Virgil, Brice
Latin Grammar, Allen and Greenough	Viri Romæ, Rolfe
	First Year Latin, Collar and Daniell

Mathematics

Academic Algebra, Wells	Geometry, Wells
Arithmetic, Wentworth and Hill	Higher Algebra, Wells
Geometry, Plane and Solid, Wentworth	Surveying, Davies
	Trigonometry, Wentworth

Commercial

Commercial Geography, Adams	Commercial Arithmetic, William and Rogers
Mental Arithmetic, Williams and Rogers	Commercial Law, White
Business Correspondence, Williams and Rogers	Bookkeeping and Business Practice, Williams and Rogers
Seventy Lessons in Spelling, Williams and Rogers	Shorthand, Gregg

SUMMARY OF THE ANNUAL RETURNS OF THE PUBLIC SCHOOLS OF THE CITY OF LOWELL
FOR THE YEAR ENDING JUNE 30, 1907

SCHOOLS	LOCATION	Whole No. Enrolled			No. of pupils belonging Dec. 1907			Whole No. of pupils on time books since Sept. 1, 1906			Average No. of pupils belonging to school			Average daily attendance			No. ent'd not rec'd. from any other pub. school	Rec'd. from other pub. school of lower grade	Rec'd. from other pub. school of same grade	Sent to other public schools of higher grade	Sent to other public schools of same grade	Per cent. of attendance	Number of class rooms in regular use	Number of seats or sit-tings in these rooms	Number of half days of school, counting each room as a "school"	
		Males	Females	Total	Males	Females	Total	Males	Females	Total	Males	Females	Total													
High	Kirk and Anne Sts.	491	594	1085	478	560	1038	491	594	1085	445	513	958	417	503	920	111	296	0	5	0	96	34	959	12172	
Bartlett (Gram. Primaries	Wannalancit St.	157	224	381	209	246	455	198	285	483	169	235	404	158	218	376	55	78	24	30	28	93	11	587	3982	
Bartlett	Wannalancit St.	103	101	204	135	110	245	143	119	262	108	91	199	97	82	179	62	21	37	42	18	96	5	246	1810	
Morrill	Adams and Common Sts.	90	49	139	69	50	119	120	70	190	75	37	112	70	35	105	97	16	28	30	19	94	3	140	1080	
Cross St.	Cross St. near Mt. Vernon St.	69	61	130	56	50	106	72	63	135	63	52	115	59	46	105	8	0	5	24	4	92	3	133	1083	
	Totals for Primaries	262	211	473	260	210	470	335	252	587	246	180	426	226	163	389	167	37	70	96	41	92	11	519	3973	
Butler (Gram.) Primaries	Gorham St.	342	346	688	350	328	678	348	355	703	311	314	625	293	288	581	32	116	15	60	19	93	17	827	6138	
Agawam St. ...	Cor. Agawam and Barrington Sts. ...	56	62	118	52	50	102	60	62	122	52	54	106	50	50	100	32	20	11	33	9	94	3	133	1095	
Carter St. ...	Carter St.	100	93	193	93	77	170	108	104	212	87	82	169	80	73	153	42	1	19	42	23	90	5	20	1835	
London St. ...	Corner London and West Sts.	64	70	134	57	59	116	75	74	149	57	56	113	52	49	101	58	0	15	33	13	89	3	151	1085	
Lyon St.	Cor. Central and Lyon Sts.	110	96	206	99	89	188	132	108	240	107	91	198	101	82	183	48	8	8	34	41	16	92	5	247	1789
Weed St.	Cor. Gorham and Weed Sts.	70	54	124	66	60	126	74	62	136	59	48	107	54	43	97	124	0	12	30	7	91	3	164	1084	
	Totals for Primaries	400	375	775	367	335	702	449	410	859	362	331	693	337	297	634	324	2	91	1-2	68	92	9	9-9	6848	

SUMMARY OF THE ANNUAL RETURNS OF THE PUBLIC SCHOOLS — Continued

Edson (Gram.) Primaries	Cor. Highland and South Sts.....	216	268	484	226	255	481	231	269	500	215	244	459	200	226	426	20	109	16	15	6	93	11	504	4026
Charles St. ...	Charles St., near Gorham St.	104	94	198	94	68	162	119	103	222	91	73	164	81	65	140	66	7	24	30	48	91	4	192	1456
Cottage St. ...	Cor. Cottage and Chapel St.	93	70	163	63	49	112	103	81	184	73	62	35	64	55	119	72	14	22	29	35	88	3	156	1090
Eliot	Cor. Sumner and Favor Sts.	92	101	193	103	86	169	112	118	230	83	81	164	75	73	148	81	2	42	34	27	90	4	220	1460
	Totals for Primaries	289	265	554	260	203	463	334	302	636	247	216	463	223	193	416	219	23	88	93	110	90	11	568	4006
Green (Gram.) Primaries	Merrimack St. opp. Colburn St.....	276	317	593	220	267	487	296	336	632	211	261	472	204	256	460	148	90	39	23	20	96	12	615	4232
Cabot St.	Cor. Cabot and Ford Sts.	93	62	155	56	55	111	96	62	158	58	41	91	53	39	92	112	0	3	33	9	90	3	168	1089
Cheever St. ...	Cor. Cheever and Tucker Sts.	179	104	283	71	53	124	193	119	312	79	49	128	69	42	111	283	0	29	25	7	87	3	150	1094
Kirk St.	Cor. Kirk and Lee Sts.	63	51	114	28	32	60	75	67	142	39	30	69	37	26	63	51	0	25	22	32	91	2	111	732
Worthen St. .	Cor. Kirk and Lee Sts.	118	114	232	101	80	181	148	134	282	72	73	145	68	68	136	136	0	18	26	20	94	4	215	1458
	Totals for Primaries	453	331	784	236	220	476	512	382	894	248	193	433	227	175	402	582	0	75	106	68	9	12	644	4373
High'd (Gram.) Primaries	Cor. Pine and Wilder Sts.	397	400	797	350	355	705	417	419	836	361	375	736	335	650	685	75	111	32	89	20	93	20	874	7187
Dover St.	Dover St., near Grove St.	71	72	143	57	60	117	75	77	152	61	60	121	55	53	108	17	24	8	34	12	90	3	153	1095
Pine St.	Cor. Pine and Gibson St.	54	44	98	49	45	91	60	48	108	49	40	89	45	35	80	16	13	16	30	4	90	3	168	1095
Franklin	Junc. of Branch and Middlesex Sts..	96	105	201	87	83	170	105	112	217	77	83	160	71	76	147	56	20	28	23	29	92	4	194	1468
Powell St. ...	Powell St., near Liberty St.	42	48	90	39	33	72	47	52	99	39	42	81	37	37	74	22	3	9	18	17	92	2	112	720
	Totals for Primaries	263	269	532	232	221	453	287	289	576	226	225	451	208	201	409	111	60	61	95	52	91	12	627	4378
A. Lincoln (Gr.) Primaries	Chelmsford St., near Lincoln Sq.....	223	233	456	222	231	453	235	248	483	203	212	415	187	195	382	35	107	27	38	15	92	10	518	3650
Howard St. ...	Howard St., near Hale St.	85	89	174	82	67	149	100	102	202	77	79	156	69	70	139	43	1	27	42	17	90	4	208	1460
Laura Lee ...	Cor. Chelmsford and Plain Sts.	106	109	215	108	97	205	116	116	232	97	92	189	88	83	171	28	23	51	69	17	90	5	280	1820
Lincoln	In Lincoln Grammar School Bldg.,...	49	45	94	30	38	68	54	50	104	40	36	76	35	30	65	36	27	10	0	10	85	2	112	730
	Totals for Primaries	240	243	483	220	202	422	270	268	538	214	207	421	192	183	375	107	51	88	111	44	90	11	600	4010

SUMMARY OF THE ANNUAL RETURNS OF THE PUBLIC SCHOOLS — Continued

SCHOOLS	LOCATION	Whole No. of pupils enrolled			No. of pupils belonging Dec. 1907			Whole No. of pupils on time books since Sept. 1, 1906			Average No. of pupils belonging to school			Average daily attendance			No. ent'd not rec'd from any other pub. school	Rec'd from other pub. schools of lower grade	Rec'd from other pub. school of same grade	Sent to other public schools of higher grade	Sent to other public schools of same grade	Per cent. of attendance	Number of class rooms in regular use	Number of seats or sit-tings in these rooms	Number of half days of school, counting each room as a "school"
		Males	Females	Total	Males	Females	Total	Males	Females	Total	Males	Females	Total												
Moody (Gram.) Primaries	Cor. Rogers and High Sts.	254	208	462	238	193	431	265	208	473	233	189	422	216	174	390	26	91	11	39	11	92	10	501	3680
	High St.	75	59	134	52	43	95	81	63	144	54	42	96	52	38	90	40	3	10	24	12	93	3	126	1095
	Oaklands	38	35	73	30	33	63	47	38	85	33	30	63	29	25	54	33	1	12	17	14	86	2	102	730
	Pond St.	68	68	136	67	54	121	74	75	149	59	64	123	54	55	109	39	15	17	39	13	89	3	151	1101
	Totals for Primaries	161	162	243	149	130	279	202	176	378	145	136	282	135	118	253	112	19	39	80	39	90	8	379	2926
Pawtucket (Gr.)	Cor. Mammoth Rd. and Fourth Ave.	153	155	308	129	145	274	156	155	311	132	134	266	126	128	254	34	46	11	12	14	95	7	366	2541
Primary																									
New Moody St	Moody St., opp. Fourth Ave.	130	145	275	120	122	242	136	157	293	113	123	236	102	111	213	99	22	15	44	11	91	6	336	2191
Riverside (Gr.)	Woburn Street, Wigginvillle.....	52	59	111	55	53	108	57	64	121	48	48	96	43	44	89	30	35	8	1	0	91	3	137	1104
Primary																									
Riverside	In Grammar School Building	61	69	130	66	64	130	67	74	141	56	57	113	50	51	101	60	0	9	0	0	90	3	137	1104
Training (Gram.)	Lawrence St.	187	157	344	181	171	352	197	163	360	163	139	302	151	123	274	24	76	10	35	8	91	9	392	3294
Primaries																									
Ames St.	Cor. Ames and Lawrence Sts.	78	70	148	49	57	106	91	79	170	63	61	124	59	56	115	50	4	28	36	24	93	4	212	1452
Central St. ...	Central St., opp. Hudson St.	80	87	167	75	70	145	90	99	189	78	77	155	72	69	141	46	5	22	33	14	90	4	210	1452
Training	Charles St., near Lawrence St.....	116	105	221	109	108	217	136	125	261	96	92	188	85	81	166	115	5	40	44	18	90	4	204	1464
	Totals for Primaries	274	262	536	233	235	468	317	303	620	236	230	467	216	206	422	211	14	90	113	56	90	12	626	4368

SUMMARY OF THE ANNUAL RETURNS OF THE PUBLIC SCHOOLS — Continued

Varnum (Gram., Primaries	330	333	653	251	311	562	365	370	735	316	317	633	294	299	593	74	100	35	77	173	94	15	824	5290
Myrtle and Beech Sts., Centralville...																								
West Sixth St. Tenth St.	102	116	218	84	89	173	116	126	242	87	90	177	79	81	160	70	3	58	40	44	91	4	228	1460
Cor. Varnum St.	105	96	201	45	85	180	126	101	227	90	73	163	82	63	145	56	26	33	53	22	89	4	211	1470
Totals for Primaries	207	212	419	179	174	353	242	227	469	173	163	340	151	144	305	126	29	91	93	66	90	8	439	2930
Mixed Schools																								
Middlesex Village Lexington Ave	42	46	88	37	39	76	49	50	99	31	33	67	30	29	59	88	0	11	14	8	88	3	152	1092
Cor. Middlesex and Cornell Sts....	13	10	23	10	10	20	13	10	23	6	9	15	9	6	15	22	0	1	5	3	95	1	56	370
Totals for Mixed Schools	55	56	111	47	49	96	62	60	122	40	42	82	39	35	74	110	0	12	19	11	90	4	202	1462
KINDERGARTENS																								
Agawam St.	32	24	56	20	15	35	32	24	46	22	14	36	19	13	32	56	0	0	27	0	89	1	40	182
Varnum School, Centralville	42	44	86	31	29	60	43	44	87	31	31	62	25	26	51	86	0	1	1	0	83	2	60	374
Cor. Chapel and Keene Sts.	37	27	64	22	22	41	37	27	64	21	12	33	17	10	27	61	0	0	10	2	82	1	45	182
Dover St., bet. Branch and Grove ..	21	21	42	12	18	30	21	22	43	13	14	27	11	11	22	42	0	1	17	3	81	1	40	183
Bartlett School Bld., Wampanoet St.	22	16	38	4	1	5	23	16	39	11	9	20	9	7	16	38	0	1	18	1	80	1	40	181
Franklin	42	27	69	21	18	39	49	27	76	20	14	34	16	9	25	74	0	2	9	1	74	1	45	182
A. Lincoln	35	23	58	23	21	44	35	23	58	24	15	39	18	9	27	68	0	0	17	0	67	1	40	182
Moody	27	17	44	13	19	32	29	17	46	23	12	35	16	8	24	44	0	0	22	0	69	1	43	182
Mummoth Road, Pawtucketville.....	30	39	69	11	26	37	30	40	70	16	20	36	14	15	29	69	0	1	3	0	80	1	51	182
Charles St., cor. Chapel St.	30	20	50	17	14	31	30	21	51	17	11	28	13	8	21	50	0	1	12	1	75	1	40	184
Adams and Common Sts.	46	28	74	23	20	43	46	28	74	23	11	31	17	7	24	72	0	2	24	3	78	1	42	178
Pine St. and Gibson Sts.....	12	13	25	10	12	22	13	15	28	9	10	19	7	8	15	25	0	3	16	2	79	1	32	182
Cor. Plain and Powell Sts.	23	22	45	17	7	24	23	22	45	16	13	29	13	9	22	43	0	2	19	1	76	1	40	183
Totals for Kindergartens	399	324	720	224	222	446	411	326	737	216	186	432	195	140	335	721	0	14	196	14	78	14	558	2557
Summary																								
High School	49	594	1085	478	560	1038	491	594	1085	445	513	958	417	593	920	111	296	0	5	0	96	34	909	12172
Grammar Schools	2716	2832	5548	2567	2684	5241	2909	3008	5917	2481	2584	5065	2319	2408	4727	615	1003	430	418	317	93	150	6445	47029
Primary Schools	3085	2874	5939	2566	2724	4890	3520	3197	6717	2522	2312	4834	2405	2063	4368	2468	284	787	1099	635	90	125	6310	45455
Mixed Schools	55	56	111	47	49	96	62	60	122	40	42	82	39	35	74	110	0	12	19	11	90	4	208	1462
Totals, not including Kindergartens	6347	6350	12793	5048	5017	11205	6982	6859	13841	5198	5451	10036	5080	5009	10059	3294	1583	1229	1541	963	92	293	14922	106118
Totals, including Kindergartens	6746	6677	13423	5582	5839	11711	7393	7185	14578	5734	5637	10371	5275	5149	10428	4015	1583	1243	1736	977	92	307	14480	108675

Press of
Butterfield Printing Co.
1908

CITY OF LOWELL

MASSACHUSETTS

Seventy-second Annual Report of the City Auditor

FOR THE

Year beginning January 1st, 1907, and ending
December 31st, 1907



Report of the City Treasurer

Report of the Sinking Fund Commissioners

Report of Trust Funds

General Information

Arranged by Schedules established by the "Division of
Municipal Statistics" for the State of Massachusetts



BUCKLAND PRINTING COMPANY

General Printers

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Lowell / / / Mass.

To the Honorable, the City Council.

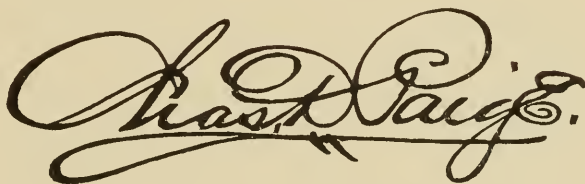
GENTLEMEN :

In accordance with the provisions of the City Ordinances, the undersigned herewith presents the Annual Report of the Appropriations, Receipts and Payments of the City of Lowell, beginning January 1, 1907, and ending December 31, 1907.

The Report is arranged according to forms and schedules established by the Division of Municipal Statistics, of the Bureau of Labor, for "Uniform Accounting" for the State of Massachusetts. The system of accounting in this Department has been changed within the past two years and brought up to as near the "Uniform System of Accounting" as the Ordinances of the City will allow; but it is hoped that it may be possible to establish the complete system by the beginning of another year.

In addition to the regular Report, will be found several schedules of information to officials and the general public.

Respectfully submitted,

A handwritten signature in cursive script, reading "Frank Paige". The signature is written in dark ink and is positioned above the title "AUDITOR."

AUDITOR.

Lowell, Massachusetts,

April 1, 1908.

Schedule A

BALANCE SHEET OF ASSETS AND LIABILITIES OF THE CITY
OF LOWELL DECEMBER 31, 1907

Assets	
Ordinary City Debt Sinking Fund.....	\$312,715 86
Water Debt Sinking Fund	510,678 93
Outstanding Assessments:	
Taxes	641,496 29
Sidewalk	5,824 20
Sewers	10,278 31
Street Watering.....	7,677 29
Department Bills	10,026 72
Cash Balance December 31	380,716 69
Total Available Assets	1,879,414 29
Valuation of Water Works, both Real Estate and Personal Property	4,375,888 00
Valuation of City Buildings, Land.....	3,704,475 00
Valuation of Personal Property.....	484,990 00
Total Unavailable Assets	8,565,353 00
Total Available Assets	1,879,414 29
Total Unavailable Assets	8,565,353 00
Grand Total	10,444,767 29

Liabilities	
Ordinary City Debt	\$2,464,848 00
Water Works, Debt	1,136,800 00
Total Gross City Debt.....	\$3,601,648 30
Temporary Loan.	800,000 00
Balance Unexpended	223,802 70
Total Liabilities.....	\$4,625,451 00
Surplus of Assets.....	5,819,316 29
Grand Total.....	\$10,444,767 29

CITY AUDITOR'S REPORT

FOR THE YEAR ENDING DECEMBER 31, 1907

Schedule B

RECEIPTS AND PAYMENTS FOR THE YEAR CONSOLIDATED

Cash Balance January 1, 1907	....	\$287,400 03
General Treasury receipts	.....	\$3,812,191 00
Temporary Accounts	.....	1,357,543 14
Cash receipts omitting duplica- tions	.....	\$2,454,647 86
General Treasury Payments	.....	3,718,874 34
Temporary Accounts	.....	1,357,543 14
Cash payments omitting duplica- tions	.....	2,361,331,20
Excess	.....	93,316 66
Cash Balance December 31, 1907.		\$ 380,716 69

Schedule C**TEMPORARY ACCOUNTS**

Accounts	Receipts	Payments
Temporary Tax Loans.	\$1,300,000 00	\$1,300,000 00
General Treasury Transfers	57,543 14	57,543 14
Rebates and Refunds.....	603 90	603 90
	\$1,358,147 04	\$1,358,147 04

Schedule D**TRUST FUNDS**

	Receipts	Payments
Cemetery	\$1,891 63	\$1,908 52

Schedule E

**RECEIPTS AND PAYMENTS OF THE FINANCIAL YEAR
CLASSIFIED UNDER THE FOLLOWING HEADINGS**

	Receipts	Payments
* Operation and Maintenance	\$2,067,383 89	\$1,902,473 92
† New Construction, etc.....	385,372 34	456,948 76
Total actual cash proceedings of the year.	\$2,452,756 23	\$2,359,422 68
‡ Trust Funds	1,891 63	1,908 52
§ Temporary Accounts	1,357,543 14	1,357,543 14
Total proceedings of the financial year...	\$3,812,191 00	\$ 3,718,874 34

* **Operation and Maintenance** relate only to the General Treasury Fund Revenue and Payments, and do not include receipts and payments on account of loans or permanent construction.

† **Construction** relates only to General Treasury Fund Loans receipts and payments, and for permanent construction.

‡ **Trust Funds** include receipts and payments for specified purposes in which the City only acts as trustee.

§ **Temporary Accounts** are simply Journal items (duplications), receipts and payments, which are temporarily held and paid out again, and show the same amounts in both receipts and payments.

Schedule F**RECEIPTS AND PAYMENTS FOR THE CURRENT YEAR****Revenue Receipts and Payments—Capital Receipts and Payments
Grouped According to Functions****Revenue Receipts and Payments**

Functions	Receipts	Payments
Taxes	\$ 1,551,014 04	\$189,920 26
Licenses	182,434 55	44,625 50
Special Assessments.....	45,156 78	
Soldiers' Relief.....	18,384 36	31,525 47
General Government.....	3,529 33	111,048 81
Protection of Life and Property	17,163 92	308,811 12
Health and Sanitation	18,323 66	89,239 38
Highways and Bridges.....	21,745 10	296,770 52
Charities and Corrections	5,379 19	81,793 42
Public Schools	7,820 77	425,561 47
Libraries and Reading Rooms.....		13,204 28
Recreation	1,031 00	14,339 00
Interest	23,702 87	143,825 28
Unclassified		45 00
Public Indebtedness.....		
Sinking Funds.....		32,300 00
Municipal Industries	220,980 46	173,802 75
Public Cemeteries	10,152 63	10,113 32
	\$2,126,818 66	\$ 1,961,925 32

**Loans and Capital Receipts—Payments from Loans
and Capital Receipts**

Functions	Receipts	Payments
Taxes		
Licenses		
Special Assessments.....		
Soldiers' Relief		
General Government.....		
Protection of Life and Property		\$919 60
Health and Sanitation		44,709 86
Highways and Bridges.....	\$328 84	41,804 83
Charities and Corrections.....		
Public Schools	243 50	
Libraries and Reading Rooms		
Recreation		6,000 00
Interest		
Unclassified		
Public Indebtedness	1,684,800 00	1,591,882 90
Sinking Funds.....		
Municipal Industries		71,631 57
Public Cemeteries		
	\$1,685,372 34	\$1,756,948 76

Schedule G

Receipts and Payments divided as follows:

Receipts and Payments of Revenue

Receipts and Payments including those of Loans and Bonds
grouped according to functions as in
Schedule F

1. TAXATION

	Receipts		Payments	
	From Revenue	Capital including those from Loans and Bonds	Expenses Current Year	Capital including those on Loans and Bonds
Taxes :				
Real Personal and Poll				
Taxes Current Year ..	\$1,129,160 17			
Real Personal and Poll				
Taxes Previous Years	335,971 93			
Abatements			\$57 60	
Street Railway Taxes :				
From State.....	9,352 65			
From City.....	8,869 21			
Other Taxes :				
Corporation Tax.....	63,450 00		10 99	
National Bank Tax....	4,209 78		12,341 31	
State Tax			95,121 46	
County Tax			77,388 90	
Total Taxes.....	\$1,551,014 04		\$184,920 26	

Schedule G—Continued**2. LICENSES**

	Receipts		Payments	
	From Revenue	Capital including those from Loans and Bonds	Expenses Current Year	Capital including those on Loans and Bonds
Liquor Licenses	\$178,400 00		\$44,625 50	
Other Licenses :				
Dog	3,980 55			
Druggist	49 00			
Paint and Chemicals...	5 00			
Total Licenses.....	\$182,434 55		\$44,625 50	

3. SPECIAL ASSESSMENTS

Sewers	\$22,770 83			
Sidewalks and Curbing	3,175 62			
Street Sprinkling	16,929 97			
Moth Extermination.....	2,280 36			
Total Special Assessments.	\$45,156 78			

4. SOLDIERS' RELIEF

State Aid	\$16,302 00		\$16,674 00	
Military Aid.....	1,706 71		3,302 00	
Soldiers' Burials.....	350 00			
Soldiers' Relief.....	25 65		9,446 81	
Expenses of Distribution ..			2,102 66	
Total Soldiers' Relief.....	\$18,384 36		\$31,525 47	

Schedule G—Continued

5. GENERAL GOVERNMENT

	Receipts		Payments	
	From Revenue	Capital including those from Loans and Bonds	Expenses Current Year	Capital including those on Loans and Bonds
1. Legislation:				
Clerk, Committees and Council			1,700 00	
Alderman and Council Expenses			2,913 15	
2. Executive:				
Mayor's Department...			4,398 98	
3. Financial:				
Auditor's Department..	\$10 00		5,056 42	
Treasurer and Collector's Department	1,161 50		10,975 31	
Assessor's Department.	8 00		14,385 05	
4. General Departments:				
City Clerk Department.	1,142 08		6,443 71	
Law Department	8 60		6,791 72	
Messengers' Department			1,587 17	
Building Department ..	1,152 74		17,442 59	
Supply Department....	41 41		6,383 21	
City Hall Expenses			16,528 58	
6. Elections:				
Registrars	5 00		5,666 04	
Elections			9,248 58	
7. Miscellaneous:				
Printing Municipal Registers			188 20	
Fish Warden			40 00	
State Supervisors			848 00	
Insurance			452 00	
Total General Government	\$3,529 33		\$111,048 81	

Schedule G—Continued

6. PROTECTION OF LIFE AND PROPERTY

	Receipts		Payments	
	From Revenue	Capital including those from Loans and Bonds	Expenses Current Year	Capital including those on Loans and Bonds
1. Police Department:				
Salaries			\$133,948 13	
General Expenses			9,664 80	
Police Commissioners..			4,185 62	
Sale of Material	\$481 00			
Court (Fines)	6,119 57			
Rent of Court Room ...	2,400 00			
Reimbursements and Miscellaneous Rec'pts	6,040 90			
2. Fire Department:				
Salaries			121,205 20	
General Expenses			31,449 16	
Land for Fire House...				\$919 60
3. Fire Alarm and Police Telegraph:				
General Expenses			208 28	
Sale Material.....	65 51			
4. Militia and Armories:				
Armories.....	1,830 00			
Rifle Range			777 83	
5. Inspection :				
Buildings.....			3,991 00	
Plumbing				
Wires	90 00		2,730 12	
Sealer Weights and Measures... ..	136 94		650 98	
Total Life and Protection ..	\$17,163 92		\$308,811 12	\$919 60

Schedule G—Continued

7. HEALTH AND SANITATION

	Receipts		Payments	
	From Revenue	Capital including those from Loans and Bonds	Expenses Current-Year	Capital including those on Loans and Bonds
1. Health :				
General Expenses			\$6,497 07	
Contagious Diseases...	\$181 43		1,200 00	
Hospitals			4,388 52	\$1,933 13
Inspector of Animals ..			510 00	
Inspector of Milk and Vinegar	120 00		2,398 69	
Inspector of Health, Meat and Provisions.			5,932 75	
Miscellaneous	5 90			
2. Sanitation :				
Sewer Construction....				42,776 73
Sewer Maintenance....			25,583 80	
Collection Refuse and Garbage			42,728 55	
Refuse and Garbage Disposal	6,677 12			
Sale of Material	11,339 21			
Total Health and Sanitation	\$18,323 66		\$89,239 38	44,709 86

Schedule G—Continued

8. HIGHWAYS AND BRIDGES

	Receipts		Payments	
	From Revenue	Capital including those from Loans and Bonds	Expenses Current Year	Capital including those on Loans and Bonds
General Supervision			\$2,000 00	
Engineering Department...	\$6,319 44		13,218 20	
Street Repairing.....			79,293 72	
Street Construction.....				\$19,061 27
Street Paving Repairs.....			1,171 62	
Street Macadam (new)			14,922 25	
Street Paving (new).....				13,902 88
Street Cleaning.....			32,922 03	
Street Lighting	44 78		93,547 20	
Street Sprinkling	387 00		17,401 50	
Sidewalks and Curbing.....				6,422 16
Snow Removal			20,907 69	
Abolition Grade Crossings .	3 60		322 08	
Repairs on Bridges			695 63	
Repairs on State Highway .			132 65	
Tree Warden (care of trees)	277 00		500 00	
Moth Extermination			7,546 90	
Land Damages				1,261 43
Perry Street Extension	7 00			957 18
Ina Street Extension.....				199 91
Yard Labor			12,189 05	
Sales of Material	8,746 29			
Use of Horses.....	5,705 23			
Insurance on City Stable...		328 84		
Miscellaneous	226 01			
Total Highways and Bridges	\$21,745 10	\$328.84	\$296,770 52	\$41,804 83

Schedule G—Continued

9. CHARITIES AND CORRECTIONS

	Receipts		Payments	
	From Revenue	Capital including those from Loans and Bonds	Expenses Current Year	Capital including those on Loans and Bonds
1. Charities :				
Supervision			\$5,143 64	
Almshouse	\$1,469 28		*49,619 22	
Ambulance			4,566 18	
Outside Hospitals			7,241 13	
Out Door Poor, in City			12,211 27	
Out Door Poor, Outside City			2,569 78	
Insurance			442 20	
Reimbursements from Other Cities and Towns	3,814 93			
Miscellaneous	94 98			
Total Charities and Corrections	\$5,379 19		\$81,793 42	

* Includes Almshouse and Hospital Expenses.

Schedule G—Continued

10. PUBLIC SCHOOLS

	Receipts		Payments	
	From Revenue	Capital including those from Loans and Bonds	Expenses Current Year	Capital including those on Loans and Bonds
1. Superintendent's Salary			\$3,000 00	
Salaries, Teachers of Day Schools			244,880 13	
Salaries, Teachers of Night Schools			18,146 25	
Other expenses of Night Schools			5,307 30	
Manual Training.....			12,466 75	
Janitors and Fuel			64,296 16	
Text Books and Supplies			14,529 64	
Truant Expenses			4,300 00	
Insurance			833 43	
General Expenses.....			17,370 26	
Tuition High School ...	\$6,464 00			
2. Repairs on School Build ings			32,431 55	
Labor Reimbursements.	1,259 64			
Sale School House.....		\$243 50		
Rents	97 13			
3. Textile School.....			8,000 00	
Total Public Schools	\$7,820 77	\$243 50	\$425,561 47	

Schedule G—Continued

11. LIBRARIES AND READING ROOMS

	Payments		Receipts	
	From Revenue	Capital including those from Loans and Bonds	Expenses Current Year	Capital including those on Loans and Bonds
1. Supervision and Salaries			\$8 614 99	
Books and Periodicals..			1,942 00	
Miscellaneous.....			1,943 01	
Insurance			704 28	
Total Libraries and Reading Rooms			\$13,204 28	

12. RECREATION

Parks and Gardens :				
1. Salaries including Labor			\$8,500 00	
Other Expenses....			3,777 00	
2. Play Grounds			217 50	
3. Lenox Street Stable				\$ 6,000 00
Celebrations and Entertainment:				
4. Memorial Day			1,200 00	
5. Special Concerts...			644 50	
6. Rents	\$1,031 00			
Total Recreation	\$1,031 00		\$14,339 00	\$6,000 00

Schedule G—Continued

13. INTEREST

	Receipts		Payments	
	From Revenue	Capital including those from Loans and Bonds	Expenses Current Year	Capital including those on Loans and Bonds
1. Interest on Loans			\$143,825 28	
Interest on Deposits ...	\$3,408 57			
Interest on Taxes	20,294 30			
Total Interest	\$23,702 87		\$143,825 28	

14. UNCLASSIFIED

Memorial Stone Province- town			\$45 00	
Total Unclassified			\$45 00	

Schedule G—Continued

15. PUBLIC INDEBTEDNESS

	Receipts		Payments	
	From Revenue	Capital including those from Loans and Bonds	Expenses Current Year	Capital including those on Loans and Bonds
1. Temporary Tax Loans .		\$1,300,000 00		\$1,300,000 00
2. School.....		227,940 00		45,490 00
3. Sidewalk		10,000 00		
4. Fire		51,900 00		
5. Streets		34,500 00		62,450 00
General Purposes		41,160 00		105,307 90
Water Department.....		19,300 00		
6. Sewers				78,635 00
Total Public Indebtedness.		\$1,684,800 00		\$1,591,882 90

16. SINKING FUNDS

Sinking Fund Commissioners from Tax Levy.			\$14,500 00	
Water Works from Tax Levy			17,800 00	
Total Sinking Funds			\$32,300 00	

Schedule G—Continued

17. MUNICIPAL INDUSTRIES

	Receipts		Payments	
	From Revenue	Capital including those from Loans and Bonds	Expenses Current Year	Capital including those on Loans and Bonds
1. Water Works:				
Construction (new)				\$52,331 47
Maintenance			\$125,617 33	
Bonds and Notes Paid from Earnings.....				19,300 00
Interest on Loans.....			46,237 75	
Income from Sale of Water	\$220,842 64			
Miscellaneous			1,137 42	
2. Public Scales.	137 82		810 25	
Total Municipal Industries.	\$220,980 46		\$173,802 75	\$71,631 57

18. PUBLIC CEMETERIES

1. Care and Labor.....			\$8,173 73	
Insurance			31 07	
Sale of Lots	\$2,884 50			
Income Perpetual Care Funds.....	1,891 63		1,908 52	
Care of Lots	2,163 26			
Opening Graves ..	3,213 25			
Total Public Cemeteries ...	\$10,152 63		\$10,113 32	

Schedule H

General Treasury Fund

Receipts and Payments

Table of Balances, Appropriations,
Receipts and Expenditures

From January 1, 1907, to December 31, 1907

GENERAL TREASURY FUND REVENUE

From Miscellaneous Accounts

Armory Rent	\$1,830.00
Charity Hospital	1,468.93
Charity O.D.R.	3,814.93
Cemeteries	8,261.00
City Clerk.....	1 142.08
City Sealer.....	136.94
City Treasurer ...	1,161.50
City Weigher	137.82
Corporation Tax	63,450.30
Excise Law	8,869.21
Fire Department	63.11
Health Department.....	6,808.20
Incidentals	3,980.55
Insp. Milk	100.00
Interest.	25,594.50
Liquor Licenses	178,454.00
Military Aid, etc.....	18,314.71
National Bank Tax.....	4,209.78
Parks	1,031.00
Moths	2 280.36
Police	10,437.72
Public Buildings	2,424.25
Schools	6,561.13
Sewer Construction	22,770.83
Streets.....	3,175.62
Street Railway Tax	9,352.65
Street Watering	16,929.97
Engineering	28.75
School Houses	243.50
Law Department .	5.00
Lighting	44.78
Wires Department.....	90.00
	\$403,173.12

GENERAL TREASURY FUND REVENUE—Continued

From Loans

Sewer Construction.	\$45,000.00	
New Sidewalks	10,000.00	
Fire House Repairs	4,400.00	
School House Repairs.....	7,940.00	
Macadamizing Streets	25,000.00	
Paving Central Street	9,500.00	
New Steam Fire Engine	5,500.00	
Schools	100,000.00	
Cemeteries	4,175.00	
Messenger Fuel	1,200.00	
Health Office, Salaries.....	1,559.25	
Health Yard, Labor	6,500.00	
Health Yard, Sundries	1,340.75	
Health Office, Sundries ...	600.00	
Lennox Street Stable	6,000.00	
Moth Extermination	1,500.00	
New Centralville Fire House.....	36,000.00	
City Hospital Sheds.....	3,500.00	
New Highland School	75,000.00	
General Treasury Fund.....	785.00	
Deficiencies	20,000.00	
		\$365,500.00

From Taxes

Taxes 1901	6.00	
“ 1902	6.00	
“ 1903	28.04	
“ 1904	448.50	
“ 1905	158,599.11	
“ 1906	176,884.28	
“ 1907	1,129,160.17	
		1,465,132.10

From Water Works

Water Works.....	220,842.64	
		220,842.64

GENERAL TREASURY FUND REVENUE—Continued**From Temporary Accounts**

Temporary Loans.....	\$1,300,000.00	
Department Transfers	57,543.14	
	<hr/>	\$1,357,543.14
		<hr/>
		3,812,191 00
Cash Balance Jan. 1, 1907.....		287,400.03
		<hr/>
		4,099,591.03
		<hr/>

GENERAL TREASURY FUND PAYMENTS

Department Accounts

Department Accounts (per statement)		\$1,706,551.84
Fixed and other charges .		
City Debt.....	\$291,882.90	
Interest	145,733.80	
Sinking Funds ..	32,300.00	
Corporation Tax	10.99	
County Tax	77,388.90	
State Tax	95,121.46	
National Bank Tax	12,341.31	
		654,779.36

Temporary Accounts

Transfers ...	57,543 14	
Temporary Tax Loans	1,300,000.00	
		1,357,543.14

Cash Balance, December 31, 1907

For General Accounts	188,767.76	
For Unexpended Appropriations :		
Building Fund.....	49,708.00	
Carney Medal	200.00	
Underground Wires	213.80	
Greenhalge Portrait	300.00	
Huntington Hall Cont. Fund.....	291.00	
Grade Crossings	681.52	
Water Works	18,565.92	
W. W. Tewksbury.....	2,276.22	
New Fire Engine.....	5,500.00	
Paving Central Street.....	1,645.60	
New Fire House.....	36,000.00	
City Hospital Sheds ..	1,566 87	
New Highland School	75,000.00	
	191,948.93	
		380,716 69
		\$4,099,591.03

TO HIS HONOR THE MAYOR AND THE HONORABLE CITY COUNCIL OF THE CITY OF LOWELL:

Herewith the Appropriations, Receipts, Expenditures of Department Accounts for twelve months ending December 31, 1907.

ACCOUNTS		Bal. Jan. 1, 1907	Appropriation	Additional	Receipts	Total Credit	Expenditure
Abatement Taxes.....		\$39,454.16	11,700.00	319.50	4,140.31	43,594.47	*9,569.68
Assessors, Salaries.....			1,200.00			12,019.50	12,019.50
Sundries.....			3,000.00		8.00	1,208.00	912.55
Tax Book.....			3,886.67			3,000.00	1,453.00
Auditor, Salaries.....			688.33			3,886.67	3,886.67
Sundries.....				471.42	10.00	1,169.75	1,169.75
Building Fund.....		49,708.00				49,708.00	
Charity Dept. (Alms-house), Labor.....			11,000.00	1,112.92		12,112.92	12,112.92
Sundries.....			30,000.00	7,505.95	.35	37,506.30	37,506.30
Charity Dept. (Outdoor Relief), Office.....			5,000.00	143.64		5,143.64	5,143.64
General Sundries.....			27,000.00		94.98	27,094.98	26,588.36
City Cemeteries.....			4,000.00	4,175.00		8,175.00	8,173.73
City Debt.....			272,582.90		19,300.00	291,882.90	291,882.90
City Clerk, Salaries.....			5,182.34	100.00		5,282.34	5,258.34
Sundries.....			992.66	192.71		1,185.37	1,185.37
City Treasurer, Salaries.....			8,333.32			8,333.32	8,322.01
Sundries.....			2,666.68			2,666.68	2,653.30
City Sealer, Salary.....			350.00			350.00	350.00
Sundries.....			50.00	250.98		300.98	300.98
City Weigher, Salary.....			800.00			800.00	800.00
Sundries.....			10.00	.25		10.25	10.25
City Messenger, Salaries.....			9,508.50			9,508.50	9,485.50
Fuel.....			2,812.75	1,500.00		4,312.75	4,321.70
Sundries.....			1,900.00			1,900.00	1,898.81
Lighting.....			1,200.00	214.99		1,414.99	1,414.99
Police.....			1,003.75			1,003.75	1,003.75

Clerk of Committees, Salaries.....				1,400.00	1,400.00	1,400.00
Sundries				175.00	175.00	168.55
Clerk of Common Council.....				300.00	300.00	300.00
Carney Medal Fund	200.00				200.00	
Elections.....			248.58		9,248.58	9,248.58
Engineering					13,319.44	13,318.20
Fire Department, Salaries					122,413.39	121,205.20
Sundries			5,927.64		27,020.04	27,020.04
Underground Wires	308.91				308.91	95.11
Fish Warden.....		40.00			40.00	40.00
Greenhalge Portrait	300.00				300.00	
Health Dept (Office), Salaries and Labor.....			1,559.25		10,559.25	10,559.25
Sundries			1,275.99		3,275.99	3,275.99
Contagious Diseases					1,200.00	1,200.00
Health Dept. (Yard), Labor			7,957.28		32,957.28	32,957.28
Sundries			1,715.02		9,771.27	9,771.27
Huntington Hall Contingent Fund	291.00				291.00	
Incidentals			244.60		2,744.60	2,744.60
Insurance					4,134.98	3,493.98
Interest			10,733.80		145,733.80	145,733.80
Inspector of Animals, Salary					500.00	500.00
Sundries					10.00	10.00
Inspector of Milk and Vinegar, Salaries.....			4.25		2,204.25	2,204.25
Sundries			71.44		194.44	194.44
Inspector of Wires, Salaries.....			213.00	20.00	2,355.00	2,355.00
Sundries					400.00	375.12
Ina Street Extension	200.00				200.00	199.91
Law Department, Salaries					4,826.00	4,826.00
Sundries					1,974.00	1,965.72
Grade Crossings.....					1,003.60	322.08
Lighting			1,000.00		93,547.20	93,547.20
Liquor Licenses			582.20		45,000.00	44,625.50
Library					12,500.00	12,500.00
Lowell Textile School			8,000.00		8,000.00	8,000.00
Temporary Loans	800,000.00				2,100,000.00	1,300,000.00
Mayor, Salaries					4,200.00	4,200.00
Sundries					200.00	198.98

APPROPRIATIONS, RECEIPTS, EXPENDITURES OF DEPARTMENT ACCOUNTS—Continued

ACCOUNTS	Bal. Jan. 1, 1907	Appropriation	Additional	Receipts	Total Credit	Expenditures
Memorial Day, G. A. R.		1,000.00			1,000.00	1 000 00
Memorial Day, Spanish War Veterans		200.00			200.00	200 00
Pyving Moody Street....	109.75				109.75	109.75
Band Concerts			700 00		700 00	644.50
Municipal Registers			225 00		225 00	188.30
Park Department, Labor.....		8,500 00			8,500.00	8,500.00
Sundries		3,500 00		277 00	3,777.00	3,777.00
Care of Trees		500.00			500 00	500 00
Moth Extermination		2,500.00	4,000.00		7,546.90	7,546.90
Athletic Apparatus, No. and So. Commons....	1,046.90				217 50	217.50
Police Department, Salaries and Labor.....	217.50	140,512 58		2,203.75	142,716.33	138,621 02
Sundries		6 287 42	1,415.61		7,703 03	7,703.03
Pound Keeper.....		5 00			5 00	5 00
Public Buildings Dept., Salaries		3,988 00	3 00		3,991.00	3,991.00
Labor.....		5,918 25	247 29	1,096 53	7,262.07	7,262 07
Sundries		8,000.00	1,524 56	31.96	9,556 52	9,556.52
Janitors		2,093.75			2,093.75	2 093 50
City Hospital Repairs.....		3 000.00			3,000 00	2,983 10
Perry Street Extension	950 93			7 00	957.93	957 18
Registrars of Voters, Salaries, Clerk Hire.....		3,550.00			3,550.00	3,430 89
Sundries		1,150 00	49 15	5 00	1,204.15	1,204.15
Rifle Range, Salaries		569 14	50 68		619 82	619 82
Sundries		280 86			280 86	158.01
Schools		279,000.00	1 5 296.49		384,296.49	384,296.49
School Houses, Labor		11,500 00	109 66	1,259.64	12,869.30	12,869.30
Sundries		11,000 00	462.25		11,462.25	11,462.25
Sewer Maintenance.....		15,000 00		10,683 63	25,683.63	25,583.80
Sewer Construction.....			45 000.00	655 58	45,655 58	42 776 73
Street Department.....		150,000 00		15,363 42	165,363 42	165,363.42
State Aid Dept., Salaries and Office Exp.....		2,100.00	2 66		2,102 66	2,102 66
Military Aid		3,200 00	92 00	10 00	3,302.00	3,302 00
State Aid		16,000 00	640.00	34.00	16,674 00	16,674.00
Soldiers' Relief.....		8,700 00	721.16	25.65	9,446 81	9,446.81

Schedule I

Taxes--1

Appropriations and Expenditures

from the General Treasury Fund by Departments

Classified and arranged according to

Schedule G

Abatement of Taxes

County Tax

City Tax

State Tax

Armory Tax

Corporation Tax

National Bank Tax

ABATEMENT OF TAXES

Balance Jan. 1, 1907	\$39,454.16	
Overlayings	2,862.31	
Supplementary Tax	1,278.60	
	<u> </u>	<u>\$43,595 07</u>

Expended

Paid Sundry Persons Abatements after payment.....	57.60	
Abatements by Assessors before payment	9,512.08	
	<u> </u>	9,569.68
Balance undrawn Dec. 31, 1907.....		34,025.39
		<u>43,595 07</u>

COUNTY TAX

Appropriation	77,388.90	
	<u> </u>	<u>77,388 90</u>

Expended

County of Middlesex, Tax of 1907	77,388.90	
	<u> </u>	<u>77,388.90</u>

CITY TAX

Taxes

ACTS OF 1885, CHAPTER 312

“ An Act to Limit Municipal Debt of and the Rate of Taxation in Cities.”

“ Be it enacted, etc., as follows :

“ Section 1. The taxes assessed on property in any city, except the City of Boston, exclusive of State Tax, County Tax and sums required by law to be raised on account of the City Debt, shall not exceed in any year twelve dollars on every one thousand dollars of the average of the assessors' valuation of the taxable property therein for the preceding three years, the valuation being first reduced by the amount of all abatements allowed thereon, previous to the thirty-first day of December in the year preceeding said assessment, and any order or appropriation requiring a larger assessment than is herein limited shall be void.

CITY TAX—Continued

"Sect. 2. The limit of indebtedness of cities shall hereafter be two and one-half per cent. on the average valuation prescribed in Section one of this act."

The amount of taxes assessed on the Polls and on the Real and Personal Estates within the City of Lowell for the year 1907 was as follows:

Valuation of and Tax on Real and Personal Property

	VALUATION	RATE	TAX
Real Estate	59,690,910.00	19.40	1,158,003.65
Personal Estate	15,763,828.21	19.40	305,818.27
Total City Valuation....	75,454,738.21		1,463,821.92
Number of Polls, 25,181 at \$2 each			50,362.00
Tax assessed on shares of stock in the National Banks of Lowell, held by non-residents, and which are not in- cluded in the City valuation, 625,011.79 at \$19.40 per 1,000			12,125.23
Grand total tax for year 1907.....			<u>1,526,309.15</u>
Appropriated and assessed in year 1907:			
City Appropriations	1,329,400.00		
State Tax.....	87,720.00		
County Tax.....	77,388.90		
Armory Tax].....	7,401.46		
State Highway Tax	132.65		
Lowell Textile School	8,000.00		
Overlayings	2,862.31		
Supplementary Tax	1,278.60		
Non-resident Bank Shares	12,125.23		
Grand Total of Tax Levy for 1907.....			<u>1,526,309.15</u>

STATE TAX

Appropriation	87,720.00	
		<u>87,720.00</u>
Expended		
To Commonwealth of Massachusetts.....	87,720.00	
		<u>87,720.00</u>

ARMORY LOAN

Appropriation	7,401.46	
	<u> </u>	<u>7,401.46</u>

Expended

To Commonwealth of Massachusetts :		
Armory Loan Sinking Fund.....	3,381.14	
Interest	4,020.32	
	<u> </u>	<u>7,401.46</u>

CORPORATION TAX

Appropriation.....	10.99	
	<u> </u>	<u>10.99</u>

Expended

Commonwealth of Massachusetts	10.99	
	<u> </u>	<u>10.99</u>

NATIONAL BANK TAX

Appropriation	12,341.31	
	<u> </u>	<u>12,341.31</u>

Expended

Commonwealth of Massachusests.....	12,341.31	
	<u> </u>	<u>12,341.31</u>

Schedule I

Licenses--2

General Treasury Fund

Appropriations and Expenditures

Licenses

LIQUOR LICENSES

Appropriation	45,000.00	
	<hr/>	45,000.00
		<hr/>

Expended

To Commonwealth of Massachusetts....	44,625.50	
Returned to General Treasury Fund	374.50	
	<hr/>	45,000.00
		<hr/>

Schedule I

Soldiers' Relief -- 4

General Treasury Fund

Appropriations and Expenditures

State Aid

Military Aid

Soldiers' Relief

State Aid Office

STATE AID

Salaries and Office Expenses

Appropriation	2,100.00	
Additional Appropriation.....	2 66	
	<u> </u>	<u>2,102 66</u>

Expended

For Salaries :

Hubert M. Potter, Superintendent...	1,200 00	
Mary C. Brennan, Assistant	800.00	
	<u> </u>	2,000 00

For Stationery, Printing, etc.:

Butterfield Printing Co.....	5 25	
G. C. Prince & Son	16.75	
Sampson & Murdock Co.....	3.00	
	<u> </u>	25.00

For Sundries:

App. Soldiers' Relief.....	10.65	
N. E. T. & T. Co.....	4.56	
H. M. Potter	60.95	
The Robertson Co.....	1.50	
	<u> </u>	77.66

2 102.66

STATE AID

Appropriation	16,000.00	
Additional Appropriation	640.00	
Receipts	34 00	
	<u> </u>	<u>16,674.00</u>

Expended

To Sundry Persons	16,674.00	
	<u> </u>	<u>16,674.00</u>

MILITARY AID

Appropriation	3,200.00	
Additional Appropriation	92 00	
Receipts	10.00	
	<u> </u>	3,302 00

Expended

To Sundry Persons	3,302.00	
	<u> </u>	3,302.00

SOLDIERS' RELIEF

Appropriation	8,700.00	
Additional Appropriation	721.16	
Receipts	25 65	
	<u> </u>	9,446.81

Expended

To Sundry Persons for Aid	7,291.00	
	<u> </u>	7,291.00

For Physicians:

Solon Bartlett	37.50	
W. G. Eaton	12 00	
W. A. Johnson	14.00	
J. E. Leary	77.00	
J. B. O'Connor	15 00	
	<u> </u>	155.50

For Interments:

J. Albert	35 00	
J. B. Currier	33.00	
Horace Ela	70 00	
G. W. Healey	35.00	
J. M. Lavery & Son	35.00	
J. McKenna	35 00	
C. H. Molloy	105.00	
J. J. O'Connell & Co.	35.00	
J. F. O'Donnell & Sons	105.00	
P. H. Savage	70 00	
J. A. Weinbeck	70.00	
C. M. Young & Co.	105.00	
	<u> </u>	733.00

SOLDIERS' RELIEF—Continued

For Provisions, Fuel, etc. :

App. Charity, O. D. R. G. S.....	58.95	
J. T. Brennan	38.00	
J. S. Brooks	64.00	
J. H. Burke	48.00	
E. Cawley	86.40	
J. P. Curley	24.00	
C. F. Devno	96.00	
Family Supply Co.....	205.00	
W. T. Griffin	25.00	
John St Public Market	6.00	
Keefe Bros	29.00	
A. J. Keith	48.00	
A. B. Kelley... ..	10.00	
J. M. Kingsbury.....	72.00	
R. J. Lang & Co.....	40.70	
Lowell Coach Co.....	2 50	
Lowell Gas Light Co.	18.26	
Geo. Lynch	37.00	
Thos. Miles & Co.....	34.00	
J. B. Richardson & Son	4 00	
H. H. Russell	8.00	
St. John's Hospital	6.00	
Stanley Coal and Wood Co.....	71.85	
F. R. Strout.....	84.00	
F. A. Tuttle	6 00	
Union Market	63.00	
M. A. Walker & Co.....	30.00	
S. W. Wiggin	17.00	
		1,232.66

For Sundries :

Lowell Hospital Association	14.00	
Lowell Typewriter Exchange	2.00	
W. A. Mack Co.....	6 00	
H. M. Potter	12.65	
		34.65
		9,446.81

Schedule I

General Government -- 5

General Treasury Fund

Appropriations and Expenditures

Clerk Common Council

Clerk Committees

Incidentals

Mayor

Auditor

Treasurer

Assessors

City Clerk

Law

Messenger

Supply

Registrars

Elections

Municipal Registers

Fish Warden

State Supervisors

Insurance

CLERK OF COMMON COUNCIL

Appropriation.....	300.00	
	<u> </u>	<u>300.00</u>

Expended

To Frank M. Dowling.	300.00	
	<u> </u>	<u>300.00</u>

CLERK OF COMMITTEES

Salary

Appropriation.....	1,400.00	
	<u> </u>	<u>1,400.00</u>

Expended

To Frank M. Dowling.....	1,400.00	
	<u> </u>	<u>1,400.00</u>

Sundries

Appropriation.....	175.00	
	<u> </u>	<u>175.00</u>

Expended

For Stationery, Printing, etc.:

Courier-Citizen Co.....	10.00	
Dumas & Co.....	3.00	
B. M. Hutchins.....	15.00	
G. C. Prince & Son.....	20.00	
Union Printing Co.....	6.75	
	<u> </u>	<u>54.80</u>

CLERK OF COMMITTEES—Continued**For Sundries :**

B. & M. R. R.....	20 25	
The Fox Typewriter Co.....	73.50	
A. M. O'Brien	20.00	
	<hr/>	113.75
		168.55
Returned to General Treasury Fund ...		6.45
		<hr/>
		175.00
		<hr/>

INCIDENTALS

Appropriation	2,500.00	
Additional Appropriation	244.60	
	<hr/>	2,744.60
		<hr/>

Expended**For Stationery, Printing, etc. :**

Courier-Citizen Co.....	50.00	
Crawford Printing Co.....	29.25	
Dumas & Co.....	275.90	
Franklin Press	78.00	
Lambert Printing Co.....	27.00	
Lowell Daily Mail	4.25	
Lowell Sun	9.00	
G. C. Prince & Son	12.00	
Chas. S. Proctor.....	295.28	
Union Printing Co	30.00	
	<hr/>	810.68

For Entertainment :

F. E. Putnam	2.55	
Richardson Hotel	20.00	
Waverly Hotel.....	61.00	
	<hr/>	83.55

INCIDENTALS—Continued

For Transportation, Carriage Hire, etc.:

J. Albert	8 00
Amer. Express Co.....	7.20
Lowell Auto Corp.....	24.50
Lowell Coach Co.....	66.10
N. Y. & B. Des. Ex. Co.....	1.75
H. H. Read	10.00
J. H. Sparks	32.75

150 30

For Sundries:

E. Bushnell	20.00
M. G. Gardner	512.00
T. H. Kelley.....	24 32
Abbott Lawrence.....	50.00
Mdsx. Safe Deposit and Trust Co..	50 00
F. E. Rollins	888.25
M. F. Wood.....	5.50
C. F. Young & Co.....	150 00

1,700.07

2,744.60

MAYOR'S DEPARTMENT**Salaries**

Appropriation.....	4,200.00
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4,200.00

Expended

Frederick W. Farnham, Mayor	2,950.70
James B. Casey, Mayor	49.30
Edward Cheney, Secretary....	1,183.56
John R. Shea, Secretary ...	16.44

4,200.00

Sundries

Appropriation	200.00
---------------------	--------

200.00

MAYOR'S DEPARTMENT—Continued**Expended**

For Stationery, Printing, etc.:		
Daily Mail Pub. Co.....	3.00	
Lowell Typewriter Exchange.....	35.00	
Municipal Journal	3 00	
G. C. Prince & Son.....	25.00	
L. J. Richards & Co.....	25.00	
Sampson & Murdock Co.....	3 00	
F. A. M. Tobin's Printery ...	18 00	
Union Printing Co.....	12.50	
		124.50
For Telephone and Transportation:		
N. E. T. & T. Co.....	3.48	
J. H. Sparks.....	41.95	
		45.43
For Sundries:		
Annie H. Bedlow	18.00	
C. H. Raymond	10 00	
J. H. Sparks	1.05	
		29 05
		198.98
Returned to General Treasury Fund.....		1 02
		200.00

AUDITOR'S DEPARTMENT**Salaries**

Appropriation	3,886.67	
		3,886.67

Expended

Charles D. Paige, Auditor	1,800.00	
James T. Dunfey, Clerk	1,095.50	
Clinton P. Tuttle, Clerk.....	991.17	
		3,886.67

AUDITOR'S DEPT.—Continued

Sundries

Appropriation	688.33	
Additional Appropriation	471.42	
Receipts	10.00	
		<u>1,169.75</u>

Expended

For Books, Stationery, Printing, Card Index, etc.:

Buckland Ptg Co.	417 85	
Butterfield Ptg Co.	174.78	
Dumas & Co.	207.50	
Daily Mail Pub. Co.	3.00	
Courier-Citizen Co.	3.00	
H. C. Kittredge. ....	.80	
Thos. H. Lawler .....	.25	
Osmond Long	8.00	
G. C. Prince & Son	24.37	
L. J. Richards & Co.	25.00	
Sampson & Murdock Co.	3.00	
Smith-Premier T. Co.	50.00	
		<u>917.55</u>

For Sundries:

Frances E. Andrews.	2.00	
American Ex. Co.	4.75	
J. A. Thompson	135.00	
O. P. Davis	4.00	
H. C. Girard Co.	4.20	
J. F. Kelty	10.30	
Kelley & Co.	18.00	
N. E. T. & T. Co.	2.35	
Lull & Hartford	21.25	
A. F. O'Brien	10.60	
Postal Telegraph Co.	4.25	
G. C. Prince & Son.	1.95	
C. H. Raymond.	18.00	
J. H. Sparks	10.00	
J. McLaughlin.	4.80	
W. U. Tel. Co. ....	.75	
		<u>252.20</u>

1,169.75

CITY TREASURER'S DEPARTMENT

Salaries

Appropriation.....	8,333.32	
	<u> </u>	<u>8,333.32</u>

Expended

Andrew G. Stiles, City Treasurer.....	2,700.00	
Joseph Farrell, Teller	1,500.00	
Charles C. Wilson, Paymaster	1,095.50	
Hector Lavallee, Clerk	782 50	
Minnie Freeman, Clerk.....	626.00	
Kittie Miskella, Clerk.....	626.00	
Maud Macpherson, Clerk	600.34	
Lillian Rountree.....	308.35	
Jean M. McIntyre	83 32	
	<u> </u>	8,322.01
Returned to General Treasury Fund		11.31
		<u>8,333.32</u>

Sundries

Appropriation	2,666.68	
	<u> </u>	<u>2,666.68</u>

Expended

For Writing and Distributing Tax Bill :		
To Sundry Persons.....	516.50	
	<u> </u>	516.50

For Stationery, Printing, etc. :

American Bank Note Co.....	70.00
Banker and Tradesman	5.00
Boston News Co.....	24.00
Buckland Printing Co.....	189.50
Courier-Citizen Co.....	207.50
H. C. Derby.....	15.25
Dumas & Co.....	157.95

CITY TREASURER'S DEPT.—Continued

Stationery, Printing, etc.—Continued :

Lowell Post Office	318.60	
Lowell Daily Mail	212.00	
Lowell Sun	217.00	
Lepine & Co.....	26 6.50	
G. C. Prince & Son	69.40	
L. J. Richards & Co	25.00	
Sampson & Murdock Co.....	6.00	
Smith-Premier Typewriter Co.....	55.00	
A. G. Thompson.....	212.00	
		1,990.70

For Sundries :

American Express Co.	1.35	
W. & L. E. Gurley.....	4 65	
C. Fred Hard.....	100.00	
Middlesex Registry of Deeds	15.00	
N. E. T. & T. Co	17.85	
Thompson Hardware Co.....	4.45	
Henry Troemner	2.80	
		146.10

Returned to General Treasury Fund

2,653.30

13.38

2,666.68

ASSESSORS' DEPARTMENT

Salaries

Appropriation	11,700.00	
Additional.....	319.50	
		12,019.50

Expended

For Principal Assessors :

Abel Wheeler	2,250.00	
C. Arthur Abbott.....	2,250.00	
John P. Mahoney	80.13	
Albert J. Blazon.....	2,169.87	
		6,750.00

ASSESSORS' DEPT.—Continued**For Assistant Assessors :**

M. Bourdon.....	156.00	
R. Charlton.....	183.50	
T. F. Garvey	156.00	
E. T. Goward	156.00	
J. E. McCormick	182.25	
J. F. O'Brien	141 00	
		<hr/>
		974.75

For Clerks :

William J. Reardon	1,600.00	
Marietta L. McGrath	782.50	
Charles C. Hartwell.....	395.00	
Frank T. Jantzen	193.75	
Andrew Liddell	306.25	
George E. Owen	317.50	
Frank B. Peabody	291.25	
Hazen Pillsbury.....	305.00	
M. D. Lang.....	30.00	
E. R. Lang	20.00	
J. J. Morris.....	22.50	
		<hr/>
		4,263.75

For Interpreters :

Y. Savithes	10.00	
W. S. Smith	21.00	
		<hr/>
		31.00

12,019.50

Sundries

Appropriation	1,200.00	
Receipts	8.00	
		<hr/>
		1,208.00

Expended**For Books, Stationery, Printing, etc.:**

Banker and Tradesman.....	5.00
Buckland Printing Co.....	18.50
Courier-Citizen Co.....	632.92
Dumas & Co.....	58.50

ASSESSORS' DEPT.—Continued**Books, Stationery, Printing, etc.—Continued :**

Lawler Printing Co.....	15 75	
G. C. Prince & Son	8.85	
L. J. Richards & Co.....	25.00	
Sampson Murdock Co.....	12 00	
Wright & Potter Ptg Co.....	30.50	
		<hr/>
		807.02

For Sundries:

App. Registrars' Sundries.....	5.00	
American Express Co.....	1.05	
Arthur Bartlett.....	43 20	
Lowell Bill Posting Co.....	3 28	
J. A. Meehan	3.00	
D. L. Page Co.....	5.00	
J. H. Sparks... ..	45.00	
		<hr/>
		105.53

Returned to General Treasury Fund.....

912.55
295.45

1,208.00

TAX BOOK

Appropriation	3,000.00	
		<hr/>
		3,000.00

Expended**For Clerk Hire :**

Sundry persons for services	200.00	
		<hr/>
		200.00

For Printing Tax Book, etc.:

App. Assessors' Sundries.....	8.00	
Butterfield Printing Co.....	1,245.00	
		<hr/>
		1,253.00

Returned to General Treasury Fund

1,453.00
1,547.00

3,000.00

CITY CLERK'S DEPARTMENT

Salaries

Appropriation.....	5,182.34	
Additional Appropriation.....	100.00	
	<u> </u>	5,282.34

Expended

Girard P. Dadman, City Clerk.....	1,800.00	
William P. McCarthy, Asst. Clerk....	1,500.00	
Belle C. Hill, Clerk ...	730.34	
Georgia T. Story, Clerk	626.00	
Annie H. Bedlow	602.00	
	<u> </u>	5,258.34
Returned to General Treasury Fund.....		24.00
		<u> </u>
		5,282.34

Sundries

Appropriation	992.66	
Additional Appropriation.....	192.71	
	<u> </u>	1,185.37

Expended

For Reporting Births:

Sundry persons, Physicians, Nurses, Enumerators	774.60	
	<u> </u>	774.60

For Stationery, Printing, etc.

Butterfield Printing Co.....	34.50
Courier-Citizen Co.....	24.50
G. P. Dadman	50.00
Daily Mail Pub. Co.....	3.00
Dumas & Co.....	36.25
Keyes	18.35
T. H. Lawler	1.50
Lawler Printing Co.....	13.25
Osmond Long	2.50
Lowell Sun	3.00

CITY CLERK'S DEPT.—Continued**Stationery, Printing, etc.—Continued:**

H. M. Meek Pub. Co.....	12.00	
G. C. Prince & Son	19.92	
C. E. Robinson	39.75	
Sampson & Murdock Co.....	6.00	
Smith-Premier Typewriter Co.....	36.00	
F. A. M. Tobin's Printery	3.75	
Union Printing Co	48.75	
M. G. Wight & Co.....	1 00	
Wright & Potter Ptg Co.....	7.00	
		<hr/>
		361.02

For Sundries:

App. Public Buildings, Labor	2.95	
American Express Co.....	3.00	
Carroll Bros.....	18.00	
Omer Descheneaux	1.00	
H. C. Girard Co.....	.85	
Abbott Lawrence .....	.25	
Lowell Bill Posting Co.....	12.00	
Lowell Coach Co.....	6.00	
N. E. T. & T. Co.....	1.70	
J. H. Sparks	4.00	
		<hr/>
		49.75

1,185.37

LAW DEPARTMENT**Salaries**

Appropriation	4,826.00	
	<hr/>	4,826.00

Expended

To James Gilbert Hill, City Solicitor....	3,000.00	
M. E. McDonald, Inspector of Claims	1,200.00	
Frances E. Andrews, Clerk.....	626.00	
	<hr/>	4,826.00

LAW DEPT.—Continued**Sundries**

Appropriation.....	1,974.00	
Receipts	3.60	
		<u>1,977.60</u>

Expended

For Stationery, Printing, etc.:

Banker and Tradesman.....	5.00	
Courier-Citizen Co.....	52.00	
T. H. Lawler .....	.88	
Lawyers' Co-Op. Pub. Co.....	39.00	
Little, Brown & Co.....	71.20	
Lowell Typewriter Exchange	1 00	
Middlesex County	18.00	
William J. Nagel.....	69.00	
G. C. Prince & Son.....	102.80	
L. J. Richards & Co.....	25.00	
F. E. Rollins	551.16	
Sampson & Murdock Co.....	3.00	
		<u>938.04</u>

For Telephone, Transportation, etc.:

American Ex. Co.....	.45	
Lowell Coach Co.....	6.00	
N. E. T. & T. Co....	16.09	
J. H. Sparks.....	3.70	
		<u>26.24</u>

For Sundries:

App. Grade Crossings.....	3 60	
J. Gilbert Hill.....	501 60	
Lowell Polish Co.....	1 00	
McIntosh & Crandall.....	190.39	
G. A. Nelson	2.60	
Riley & Sanborn.....	2.25	
T. B. Smith	300.00	
		<u>1,001.44</u>

Returned to General Treasury Fund

1,965.72

11 88

1,977 60

CITY MESSENGER'S DEPARTMENT

Salaries

Appropriation.....	9,508.50	
	<u> </u>	9,508.50

Expended

Joseph E. Pattee, City Messenger	1,200.00	
Sundry Persons for Labor.....	8,285.50	
	<u> </u>	9,485.50
Returned to General Treasury Fund.....		23.00
		<u> </u>
		9,508.50

Fuel

Appropriation	2,812.75	
Additional Appropriation.....	1,500.00	
	<u> </u>	4,312.75

Expended

Edward Cawley	4,312.70	
Returned to General Treasury Fund.....	.05	
	<u> </u>	4,312.75

Lighting

Appropriation	1,200.00	
Additional Appropriation.....	214.99	
	<u> </u>	1,414.99

Expended

For Lighting City Hall:		
Lowell Electric Light Corp.....	995.64	
Lowell Gas Light Co....	283.05	
	<u> </u>	1,278.69
For Lighting Memorial Hall:		
Lowell Electric Light Corp.....	97.87	
Lowell Gas Light Co.....	38.43	
	<u> </u>	136.30
		<u> </u>
		1,414.99

CITY MESSENGER'S DEPT.—Continued

Police

Appropriation	1,003.75	
	<u> </u>	1,003.75

Expended

To App. for Police, Salaries and Labor..	1,003.75	
	<u> </u>	1,003.75

Sundries

Appropriation	1,900.00	
	<u> </u>	1,900.00

Expended

For Repairs on Furniture, Fixtures, etc. :		
Adams & Co.....	248.86	
H. R. Barker Mfg Co.....	69.71	
Carroll Bros.....	12.00	
Gookin Bros. Co.....	15.00	
C. F. Morse.....	96.35	
A. E. O'Heir & Co	9 92	
The Robertson Co.....	25.00	
J. W. Stewart	5.00	
Welch Bros.....	117.32	
	<u> </u>	599.16
For Hardware, etc. :		
J. C. Bennett.....	54.00	
C. B. Coburn Co.....	52.43	
H. C. Girard Co.....	23.93	
W. A. Ingham Co.....	20.10	
Simpson & Rowland	9.90	
Ervin Smith	3.00	
Smith & Lawrence	7.00	
Thompson Hardware Co.....	12.25	
	<u> </u>	182.61
For Entertainment and Decorations :		
Collins	14.00	
J. A. Evans	27.03	
Mellor & Saunders	20 00	
Morse & Beals.....	24.50	
Whittet & Co.....	20.00	
C. F. Young & Co.....	5.00	
	<u> </u>	110.53

CITY MESSENGER'S DEPT.—Continued

For Express, Transportation, Carriage
Hire, etc. :

American Express Co.....	1 00
B. & M. R. R.....	20.00
Conway Transfer Co.....	.25
Lowell Coach Co.....	4.00
Manchester & Concord Ex. Co.....	.25
J. H. Sparks	29 50

55.00

For Stationery, Printing, etc. :

F. S. Blanchard & Co.....	2.00
Courier-Citizen Co.....	3.00
Crawford Printing Co.....	62.16
T. H. Lawler	2.00
G. C. Prince & Son	137.48
Sampson & Murdock Co.	15 00

221.64

For Sundries :

App. Public Bldgs, Labor.....	74.45
App. Water Works	156 26
Willis H. Bean	3.00
F. M. Bill & Co.....	1.25
Bon Marche	9.00
Cancos Mfg Co.....	4.22
C. B. Coburn Co	89.06
Cudahy Packing Co.....	12.00
A. J. Cummiskey.....	12.00
Frye & Crawford.....	5.64
D. Gage	100.13
Gilbrides	20.98
Greenwood Bros. ....	.75
W A. Ingham Co.....	5 50
Keefe Bros.....	1.14
R. J. Lang & Co.....	5.30
Abbott Lawrence	50.00
Samuel Lewis	23.50
J. McCullough	8.34
T. J. McDonald.....	10.50
W. W. Morrison.....	16.50
J. Murkland & Son.....	3.31
W. J. Murphy .....	.26

CITY MESSENGER'S DEPT.—Continued**Sundries—Continued :**

N. E. T. & T. Co.....	37 19	
O'Brien Bros .....	.90	
Joseph E. Pattee.....	2.00	
A. G. Pollard & Co.....	21.91	
J. H. Sparks.....	7.70	
Swift & Bailey.....	18.88	
Talbot D. & C. Co.....	6.95	
Fred Walsh	9.00	
West Disinfecting Co.....	10.00	
Whittet & Co.....	2.00	
Wm. Zimmer .....	.25	
		<u>729.87</u>
		1,898.81
Returned to General Treasury Fund.....		1.19
		<u>1,900.00</u>

SUPPLY DEPARTMENT**Salaries**

Appropriation	5,530.00	
		<u>5,530 00</u>

Expended

James E. Donnelly, Purchasing Agent...	2,400.00	
Abram Fenton, Inspector.....	782.50	
Thomas J. Murphy, Inspector.....	782.50	
Eleanve M. Churchill, Clerk.....	782.50	
Samuel A. McPhetres, Clerk.....	215.00	
John H. Murphy.....	540.00	
		<u>5,502.50</u>
Returned to General Treasury Fund. ...		27.50
		<u>5,530.00</u>

Sundries

Appropriation	470.00	
Additional Appropriation	138.28	
Receipts	41.41	
		<u>649.69</u>

SUPPLY DEPT.—Continued**Expended**

For Carriages, Harnesses and Repairs :

Robert Barris.....	5.10	
Donovan Harness Co.....	14.55	
T. J. Goyette.....	18.00	
O'Dowd & Preston	30 25	
Salois & Leith.....	10.02	
		<u>77.92</u>

For Stationery, Printing, etc ;

Courier-Citizen Co.....	49.91	
Daily Mail Co.....	17.03	
Dumas & Co.....	12.50	
Franklin Press.....	3 50	
H. C. Kittredge.....	50	
T. H. Lawler.....	2 00	
L'Etoile.....	6.30	
Osmond Long.....	68.50	
G. C. Prince & Son.....	53.49	
Sampson & Murdock Co	3.00	
F. A. M. Tobin's Printery.....	6 00	
		<u>222.73</u>

For Shoeing and Board of Horses :

J. J. Donnelly.....	43.80	
A. B. Humphrey.....	260.70	
		<u>304.50</u>

For Telephone, Transportation, etc :

American Express Co.....	30	
B. & M. R. R.....	20.25	
J. H. Kelly.....	3.53	
N. E. T. & T. Co.....	19 86	
		<u>43 94</u>

For Sundries :

Bon Marche.....	.60	
		<u>.60</u>
		<u>649.69</u>

Advertising

Appropriation.....	500.00	
		<u>500.00</u>

SUPPLY DEPT.—Continued**Expended**

App. Supply, Sundries.....	41.41	
Courier-Citizen Co.....	34.81	
Lepine & Co.....	25.20	
L'Etoile.....	16.20	
Lowell Mail.....	53.09	
Lowell Sun.....	60.31	
		231.02
Returned to General Treasury Fund.....		268.98
		<u>500.00</u>

REGISTRARS' DEPARTMENT**Salaries**

Appropriation	3,550.00	
		<u>3,550.00</u>

Expended

Board of Registrars:		
John P. Farley.....	800.00	
G. P. Dadman.....	750.00	
C. Sullivan.....	250.00	
A. J. Blazon.....	26.70	
J. O. Allard	719.19	
T. P. Boulger	471.78	
H. C. McOsker.....	28.22	
		3,045.89
For Clerk Hire :		
To Sundry Persons.....	385 00	
		<u>385.00</u>
		3,430.89
Returned to General Treasury Fund.....		119.11
		<u>3,550.00</u>

Sundries

Appropriation.....	1,150.00	
Additional Appropriation.....	49.15	
Receipts.....	5.00	
		<u>1,204.15</u>

REGISTRARS' DEPT.—Continued

Expended

For Stationery, Printing, etc.:

Buckland Printing Co.....	3.50
Butterfield Printing Co.....	6.45
Courier-Citizen Co.....	791.00
Dumas & Co.....	10.75
H. C. Kittredge.....	4.40
Lawler Printing Co.....	5.50
Osmond Long	46.15
C. S. Proctor.....	81.54
Sampson & Murdock Co	6.00
Union Printing Co.....	40.85
M. G. Wight & Co	1 00

 996.94

For Sundries:

Adams H. & P. Co.....	1.80
Lowell Bill Posting Co.....	20.00
Lowell Wall Paper Co.....	26 20
D. L. Page Co.....	143 21
J. H. Sparks.....	10 00
Waverley Hotel.....	6.00

 207.21

 1,204 15

ELECTIONS

Appropriation	9,000.00
Additional Appropriation	248.58

 9,248.58

Expended

For Election Officers:

To Sundry Persons.....	4,320.00
------------------------	----------

 4,320.00

For Teaming, etc.:

Berard Transfer Co.....	16 00
Thomas Casey.....	15.00
City Transfer Co.....	12.00
Conway Transfer Co.....	50.00
C. H. Hanson & Co.....	106.00

ELECTIONS—Continued**Sundries—Continued :**

T. G. Little.....	58.50
Lowell Coach Co.....	2 00
McDonald & Co.....	16 00
S. T. Moses.....	12 00
S. W. Parker.....	8.00
M. Reynolds.....	20.00
J. H. Sparks.....	21 70
John Sullivan.....	20.00
Stanley Transportation Co.....	70.00

 427.20
For Advertising, Stationery, Printing, etc.:

Baker Printing Co.....	57.00
Buckland Printing Co.....	26.75
Butterfield Printing Co.....	698.50
Chapman & Soden.....	75.68
Courier-Citizen Co.....	451.90
J. P. Dadman.....	32.00
Dumas & Co.....	6.00
A. F. French & Co.....	55.00
Hill Smith Co.....	11.50
H. C. Kittredge.....	3.00
T. H. Lawler.....	28.75
Lepine & Co.....	12.00
Osmond Long.....	16.10
Lowell Daily Mail.....	13.75
Lowell Labor Journal.....	6.00
Lowell Sun.....	13.00
G. C. Prince & Son.....	54.60
C. S. Proctor.....	106 08
C. E. Robinson.....	111.00
Smith Premier Typewriter Co.....	3.00
Sunday Telegram.....	7.65
F. A. M. Tobin's Printery.....	26.75
Union Printing Company.....	608.00
M. G. Wight & Co.....	7.75

 2,432.26
For Labor, Clerk Hire and Police :

Sundry Persons, Labor.....	1,369.26
Sundry Persons, Clerk Hire.....	260.75
Police.....	155.39

 1,785.40

ELECTIONS—Continued

For Sundries :

App. Public Buildings, Labor.	14.00	
H. R. Barker M'fg. Co.....	50	
Bartlett & Dow.....	3.36	
C. B. Coburn Co.....	57.03	
G. P. Dadman.....	1.90	
A. F. French & Co.....	14.75	
H. C. Girard Co.....	2.88	
Greenwood Bros.....	3.90	
W. T. Griffin.....	61.50	
W. A. Mark Co.....	90	
Percy Parker.....	75.00	
Charles R. Preston.....	13.00	
The Robertson Co.....	12.00	
Heirs, Maria T. Stevens.....	10.10	
Thompson Hardware Co.....	13.00	
		<u>185.72</u>
		<u>9,248.58</u>

MUNICIPAL REGISTERS

Appropriation	225.00	
		<u>225.00</u>
Expended		
Union Printing Co.....	188.30	
Returned to General Treasury Fund.....	36.70	
		<u>225.00</u>

FISH WARDEN

Appropriation	40.00	
		<u>40 00</u>
Expended		
To George T. Spence, Fish Warden	40.00	
		<u>40.00</u>

STATE SUPERVISORS

Appropriation	864.00	
	<hr/>	864.00
Expended		
To Sundry Persons.....	848.00	
Returned to General Treasury Fund.....	16.00	
	<hr/>	864.00

INSURANCE

Appropriation	4,134.98	
	<hr/>	4,134.98
Expended		
F. M. Brogan.....	20.00	
W. D. Brown.....	133.28	
F. C. Church.....	474.78	
G. B. Coburn, Agt.....	73.78	
T. L. Dickey.....	848.00	
Joseph Donohoe.....	21.00	
Russell Fox.....	30.00	
A. L. Gray.....	56.00	
C. Fred Hard.....	33.78	
G. D. Kimball.....	73.75	
T. C. Lee & Co.....	231.78	
E. E. Mansur.....	73.78	
G. E. Metcalf & Co.....	133.28	
Henry Miller & Son.....	334.40	
F. B. Murphy.....	103.78	
N. G. Norcross.....	73.78	
Jos. Peabody, Agt.....	363.78	
E. Russell.....	150.00	
Smith & Cavanaugh.....	191.25	
Graham R. Whidden.....	73.78	
	<hr/>	3,493.98
Transferred to General Treasury Fund..		641.98
		<hr/>
		4,134.98

Schedule I

Protection of Life and Property -- 6

General Treasury Fund

Appropriations and Expenditures

Police Department

Pound Keeper

Fire Department

Fire House Repairs

Centralville Fire House Land

Rifle Range

Inspector of Buildings

Wires

City Sealer

POLICE DEPARTMENT

Salaries and Labor

Appropriation.....	140,512.58	
Receipts	2,203 75	
	<u> </u>	<u>142,716.33</u>

Expended

For Police Commissioners:

Joseph Jennings.....	1,123.01	
John W. McEvoy.....	935.86	
F. N. Weir.....	967.07	
F. K. Stearns	46.02	
	<u> </u>	3,071.96

For Secretary:

J. J. Flaherty, Jr.....	1,113.66	
	<u> </u>	1,113.66

For Superintendent:

Wm. B. Moffatt	2,000.00	
	<u> </u>	2,000.00

For Deputies:

Redmund Welch	1,500.00	
Wm. R. Kew	1,500.00	
	<u> </u>	3,000.00

For Police Officers:

Sundry Persons	128,948.13	
	<u> </u>	128,948.13

For Pensions:

J. R. Mackenzie.....	340.92	
J. Creahin	121.58	
E. N. Grinnell.....	24.77	
	<u> </u>	487.27

Transferred to General Treasury Fund ..

138,621.02
4,095.31

142,716.33

POLICE DEPT.—Continued**Sundries**

Appropriation.....	6,287.42	
Additional Appropriation	1,415.61	
	<hr/>	7,703.03

Expended**For Cloth, Insignia, etc.:**

Cook & Taylor Co.....	1.50	
Gilbride's	15.29	
Raphael Massteangialo.....	30.85	
Slater & Sons	399.41	
Waterbury Button Co.	45.00	
	<hr/>	492.05

For Shoeing Horses:

M. J. Cahill	37.45	
O. J. Carney & Co.....	30.75	
J. J. Donnelly	77.50	
	<hr/>	145.70

For Carriages, Harnesses and Repairing:

Donovan Harness Co.....	82.93	
J. H. Laporte	5 00	
G. W. McElroy	2.45	
Salois & Leith	177 39	
Sawyer Carriage Co.....	68 08	
	<hr/>	335.85

Hay, Grain, etc.:

Joseph Bowers.....	69.78	
J. B. Cover & Co.....	19.70	
E. E. Cole.....	63.24	
G. M. Foster.....	30.22	
G. W. Parker	111.36	
Livingston Grain Co.....	156.27	
J. Mullin.....	126.13	
T. J. McDonald.....	57.99	
H. E. Noyes & Son	231.42	
G. W. Trull	99.54	
Paul Vigeant & Co.....	66.45	
	<hr/>	1,032.10

POLICE DEPT.—Continued**For Stationery, Printing, etc.:**

Auto List Pub. Co.....	2.00	
F. S. Blanchard & Co....	2 00	
Buckland Printing Co.....	36.75	
Courier-Citizen Co.....	69.75	
Carter's Ink Co.....	1.25	
Dumas & Co.....	51.25	
Franklin Press.....	25.00	
T. H. Lawler Ptg Co.....	247.75	
Fox Typewriter.....	84 50	
H. C. Kittredge.....	6.50	
Lowell Sun	6.63	
T. H. Lawler	94.24	
Lepine & Co.....	11.05	
Wm. J. Nagel	5.00	
G. C. Prince & Son	206.10	
L. J. Richards & Co.....	25.00	
Sampson & Murdock Co.....	12 00	
		<hr/>
		886.77

For Fuel:

J. Brady	1.50	
Edward Cawley.....	618.33	
		<hr/>
		619.83

For Hardware:

Amer. Steel & Wire Co.....	59.87	
Adams H. & P. Co.....	.90	
Bartlett & Dow	23.27	
Boutwell Bros ....	.70	
G. H. Bachelder	35.77	
H. C. Girard Co.....	.05	
H. R. Barker Mfg Co.....	1.05	
Cheney & Thomson.....	4.55	
Pevey Foundry Co.....	40.43	
Lull & Hartford	3.50	
Rochester Machine Screw Co.....	65.52	
Smith & Lawrence .....	.50	
Thompson Hardware Co.....	.68	
W. A. Mack Co.....	12.16	
H. H. Wilder & Co... ..	8.50	
		<hr/>
		257.45

POLICE DEPT.—Continued

For Water, Lighting and Telephone :

App. Water Works.....	140.26	
Lowell Gas Co.....	327.14	
Lowell El. Lt. Co.....	363.03	
N. E. T. & T. Co.....	187.27	
Postal Tel. Co.....	.38	
W. U. Tel. Co.....	3 22	
		<hr/>
		1,021.30

For Transportation, Carriage Hire, etc. :

American Ex. Co.....	4.30	
B. & M. R. R.....	81 02	
Man. & Con. Ex. Co.....	.40	
N. Y. & B. D. Ex. Co.....	2 55	
N. Y., N. H. & H. R. R.....	10.16	
J. H. Sparks	4.00	
		<hr/>
		102.43

For Sundries :

A. J. Alley.....	3.35	
Animos Co.....	1.50	
American Elec. Wks.....	40.70	
W. P. Brazer & Co.....	45.00	
G. H. Batchelder.....	46.35	
G. J. & D. Bradt	30.00	
O. E. Brennan	3.50	
Crown Studio.	17.00	
C. B. Coburn Co.....	56.99	
Peter F. Corcoran	2.44	
The Edes Mfg Co.....	154.00	
Edward Gannon	4.00	
D. Gage.....	54 75	
Gamewell F. A. Tel. Co.....	82.13	
J. Flynn	6.00	
Gookin Bros. Co.....	48.00	
Frontz, Pierson Co.....	10 50	
C. L. Howe & Co.....	21.25	
Gookin Furn. Co.....	50.25	
F. M. Ferrin.....	99 75	
G. E. Hutchins	9.79	
C. H. Hanson & Co	360.70	
Fred Howard.....	1.00	
Chas. Laflamme	5.80	

POLICE DEPT.—Continued**Sundries—Continued :**

Lowell Coach Co.....	31.00	
R. J. Lang & Co.....	1 10	
Rose Lipp.....	6.81	
McNabb Bros.....	86.23	
C. F. Morse	4.63	
H. C. McOsker	3.50	
W. B. Moffatt	8.00	
Porter Bros. & Co.....	25.00	
F. E. Putnam	11.15	
C. E. Perry Co.....	135.99	
The Robertson Co.....	.30	
W. A. Sherman.....	1.50	
J. H. Sparks.....	8.00	
T. A. D. Sullivan & Co.....	4 15	
Smith-Premier Type. Co.....	.50	
Stromberg-Carlson Tel. Mfg. Co	14 55	
Talbot D. & C. Co.....	226.75	
Tower's Corner Drug Store... ..	2.40	
The Okonite Co.....	392.52	
Tucke & Parker Co.....	24.00	
Mitchell, Wing & Co.....	4.50	
John A. Walsh.....	3 60	
F. N. Weir	653.20	
Wm. Zimmer	5 40	
	<hr/>	2,809.55
		<hr/>
		7,703.03
		<hr/>

POUND KEEPER

Appropriation	5.00	
	<hr/>	5 00
		<hr/>
Expenditure		
To O. W. Peabody, Pound Keeper	5.00	
	<hr/>	5.00
		<hr/>

FIRE DEPARTMENT

Salaries

Appropriation.....	122,413 39	
	<u> </u>	<u>122,413.39</u>

Expended

For Chief Engineer:		
Edward S. Hosmer	2,200.00	
	<u> </u>	2,200.00
For Assistant Chief Engineer:		
James F. Norton	1,500 00	
	<u> </u>	1,500 00
For Board of Engineers:		
Edward Meloy	4 00.00	
George F. Salmon	400.00	
Charles Stackpole	400.00	
	<u> </u>	1,200.00
For Permanent Firemen	101,196.89	
Call Firemen.....	15,108 31	
	<u> </u>	116,305.20
		121,205 20
Returned to General Treasury Fund....		1,208.19
		<u> </u>
		122,413 39

Sundries

Appropriation	21,090.00	
Additional Appropriation.....	5,927.64	
Receipts	2 40	
	<u> </u>	27,020.04

Expended

For Fuel:		
Edward Cawley	2,940.47	
George Lynch	9.00	
Stanley Coal and Wood Co.....	60.00	
	<u> </u>	3,009.47

FIRE DEPT.—Continued

For Horses, Use of Horses, etc. :

B. G. Brown.....	21.00	
C. H. Hanson & Co.....	2,305.05	
		<hr/>
		2,326.05

For Veterinary :

A. W. Baker.....	24.00	
C. A. Hamblett.....	30.00	
C. E. Munn.....	46.00	
W. A. Sherman	15.50	
J. H. Sparks.....	55.00	
		<hr/>
		170.50

For Express, Transportation, etc. :

American Express Co.....	8.65	
E. S. Hosmer.....	56.82	
Lowell Coach Co.....	12.00	
Man. & Con. Ex. Co	1.40	
N. Y. & B. Des. Ex. Co.....	4.45	
N. Y., N. H. & H. R. R.....	.65	
		<hr/>
		83.97

For Water, Lighting and Telephone :

App. Water Works.....	451.96	
Lowell Electric Light Corp.....	325.43	
Lowell Gas Light Co.....	1,952.19	
N. E. T. & T. Co.....	256.02	
		<hr/>
		2,985.60

For Hardware, Fittings, Hose and Repairs :

Adams H. & P. Co.....	35.44	
American Steam Gauge and Valve Co	5.25	
American Steel and Wire Co.....	298.55	
H. R. Barker Mfg Co.....	101.97	
Bartlett & Dow.....	29.76	
J. C. Bennett	109.00	
Boston Coupling Co.....	32.05	
Boutwell Bros.....	3.29	
C. Callahan Co.....	50.62	
C. C. C. Fire Hose Co.....	1,438.00	
C. B. Coburn Co.....	1,483.10	
Gamewell F. A. Telegraph Co.....	505.25	
H. C. Girard Co.....	4.50	
H. L. Gonzales Co.....	4.75	

FIRE DEPT.—Continued**Hardware, Fittings, Hose and Repairs—Continued :**

C. G. Hoisington & Son	6.00	
International Power Co.....	16 13	
W. A. Mack Co.....	47 64	
New Departure Mfg Co.....	22.50	
Nichols Foundry Co.....	8.52	
C. N. Perkins Co.....	145.00	
Pevey Bros.....	5.25	
Scoville Mfg Co.....	22 50	
Smith & Lawrence	4 30	
Thompson Hardware Co.....	44.93	
Union Brass Foundry.....	.26	
Union Iron Foundry....	.64	
Welch Bros.....	27.60	
H. H. Wilder & Co.....	1.15	
W. Zimmer .....	.50	
		4,454.45

For Carriages, Harnesses and Repairs :

Robert Barris.....	75.90	
E. P. Bryant	63.67	
A. H. Cluer.....	79.75	
Donovan Harness Co.....	287.10	
Q. A. Foster.....	14 23	
G. K. Hammond	5.90	
C. H. Hanson & Co.....	25 50	
F. B. Hill & Co.....	1,126.10	
J. H. Laporte	12.90	
G. W. McElroy	93.85	
H. J. O'Dowd	9.00	
O'Dowd & Preston.....	9.00	
D. W. Parker	7.40	
Parker Harness Co.....	8.30	
A. Parsons	22 60	
C. N. Perkins Co.....	4 00	
Sawyer Carriage Co.....	233.50	
J. H. Swett.....	24 99	
H. W. Tinker	2.95	
		2,106.64

For Electricians' Supplies :

Boston Electric Co.....	8.00
C. F. Morse	23.52

FIRE DEPT.—Continued

Electrician's Supplies—Continued:

Okonite Co.....	15.00
Tucke & Parker Co.....	66.65

 113.17

For Stationery, Printing, etc.:

Buckland Printing Co.....	20 00
Courier-Citizen Co.....	5.25
Dumas & Co.....	9.50
F. J. Fleming.....	4.50
G. E. Hutchins.....	.15
H. C. Kittredge.....	.65
A. L. Kittredge & Co.....	.40
G. C. Prince & Son.....	3.50
Sampson & Murdock Co.....	3.00
F. A. M. Tobin's Printery.....	146.30
M. G. Wight & Co.....	7.00

 200.25

For Shoeing Horses:

R. R. Armitstead.....	99 53
James Blakeley.....	18.00
M. J. Cahill.....	367.28
O. J. Carney & Co.....	95.25
J. H. Collins.....	10.00
C. Desmond... ..	178.00
J. J. Donnelly.....	214.05
C. H. Hanson & Co.....	5.00
M. V. B. Libbey.....	89.65
A. D. Mitten.....	186.45
Morse & Blakely.....	86 00
A. Parsons.....	148.43
V. Provencher.....	41.25
Provencher & Lovering.....	37.25
Henry Reynolds.....	82.25
S. A. Shattuck.....	45 00
C. H. Ward.....	53.30
J. T. Williamson.....	139.25

 1,895.94

For Hay, Grain, etc.:

Ame & Co.....	35.00
E. E. Cole.....	319.88
J. B. Cover & Co.....	769.90
G. M. Foster.....	1,698.70

FIRE DEPT.—Continued

Hay, Grain, etc.—Continued:

Livingston Grain Co.....	31.87
Joseph Marin.....	245 37
T. J. McDonald.....	366.75
Joseph Mullin	1,576.12
H. E. Noyes & Son.....	1,153.37
J. B. Sabre.....	246.29
Paul Vigeant & Co.....	258 02
O. D. Wilder.....	682.38

 7,383.65

For Stable Supplies:

C. E. Carter.....	6.30
C. B. Coburn Co.....	352.24
E. E. Cole.....	98.94
P. Dempsey & Co.....	2.60
Greenwood Bros.....	3.50
Heaney M'fg Co.....	36.00
C. I. Hood Co.....	7.00
Ingalls Specialty Co.....	12.50
J. G. Lesure.....	36.00
Lowell Rendering Company.....	28.20
Lowell Waste Co.....	52.38
O'Dowd & Preston.....	9.00
Simpson & Rowland.....	56 30
Talbot Dyewood & Chemical Co.....	140.30
Whitman & Pratt Rendering Co.....	26.40

 866.66

For Furniture, Bedding, etc.:

Adams & Co.....	29.55
Bon Marche.....	6.00
Cook, Taylor & Co.....	60.00
J. J. Doherty & Co.....	48.60
Gilbride's	24.00
Gookin Bros. Co.....	6.90
G. Gott & Co.....	2.25
E. Hapgood & Son.....	19.60
O'Donnell Dry Goods Co.	42.15
A. E. O'Heir & Co.....	18.55
A. G. Pollard & Co.....	134.30
The Robertson Co.....	36.00

 427.90

FIRE DEPT.—Continued

For Sundries :

F. M. Bill & Co.....	85.40
R. Blum.....	224.40
C. G. Braxmar Co....	9.00
Coates Clipper M'fg Co.....	1.75
C. B. Coburn Co.....	3.19
Columbia Refining Co....	25.50
Cross Awning Co.....	14.50
W. H. Gibson.....	15.00
Greenwood Bros.....	5.00
C. I. Hood Co.....	7.00
G. E. Hutchins.....	48.50
F. W. Jenness.....	94.00
C. H. Joyce & Co.....	7.00
F. A. Kappler.....	5.00
A. L. Kittredge & Co.....	60
A. Lawrence.....	8.75
D. D. Libby.....	25.00
G. E. Maker.....	10.00
H. C. McOsker.....	66.79
James Murkland & Son	1.60
D. L. Page Co.....	31.33
C. N. Perkins.....	7.00
Pratt & Forrest.....	1.09
Amasa Pratt Co.....	11.31
F. E. Putnam.....	10.30
Harry Raynes.....	20.00
G. F. Salmon.....	50.00
Scripture's Laundry....	147.08
J. H. Sparks.....	18.00
Frank E. Stevens.....	3.50
T. A. D. Sullivan & Co.....	3.00
The New American.....	12.50
Fred Walsh	7.50
Waverley Hotel.....	7.00
H. F. Whiting.....	7.85
Wm. Zimmer.....	.35

995.79

FIRE HOUSE REPAIRS

Appropriation	4,542.29	
	<u> </u>	<u>4,542.29</u>
Expended		
For Labor :		
To Sundry Persons.....	1,570.64	
	<u> </u>	1,570.64
For Lumber :		
Burnham & Davis Lumber Co.....	203.15	
Davis & Sargent Lumber Co.....	158.53	
Amasa Pratt Co.....	66.50	
Pratt & Forrest.....	127.67	
W. H. Wiggin.....	7.86	
	<u> </u>	563.71
For Plastering, etc. :		
B. F. Crosby & Co.....	510.51	
H. Sutherland.....	77.67	
J. H. Walker.....	217.10	
	<u> </u>	805.28
For Hardware, Plumbing, etc. :		
Adams Hardware & Paint Co.	2.50	
Bartlett & Dow.....	5.70	
E. F. Farrell... ..	475.03	
C. F. Hoisington & Son.....	28.32	
Middlesex Machine Co.....	362.11	
Thompson Hardware Co.....	38 05	
Welch Bros.....	625.25	
	<u> </u>	1,536.96
For Advertising, etc. :		
Courier-Citizen Co	4.25	
Lowell Daily Mail	5.50	
Lowell Sun.....	8.00	
	<u> </u>	17.75
For Sundries :		
Adams Hardware & Paint Co.....	4.15	
C. B. Coburn Co.....	8.80	
Lowell Wall Paper Co.....	35.00	
	<u> </u>	47.95
		<u>4,542.29</u>

CENTRALVILLE FIRE HOUSE LAND

Appropriation.....	930.00	
	<u>930.00</u>	<u>930.00</u>
Expended		
To Merrimack Mfg. Co., 9.196 ft. of land at 10c	919 60	
	<u>919.60</u>	919.60
Returned to General Treasury Fund'....		10.40
		<u>930.00</u>

RIFLE RANGE

Salaries		
Appropriation	569.14	
Additional Appropriation.....	50 68	
	<u>619.82</u>	<u>619.82</u>
Expended		
For Labor:		
To Sundry Persons.....	619.82	
	<u>619.82</u>	<u>619.82</u>
Sundries		
Appropriation	280.86	
	<u>280.86</u>	<u>280.86</u>
Expended		
For Sundries:		
Bartlett & Dow.....	4.75	
C. B. Coburn Co	1.20	
Keefe Bros.....	1.20	
Lull & Hartford.....	96.85	
N. E. T. & T. Co.....	39.96	
Thompson Hardware Co.....	1.05	
Tucke & Parker Co.....	13.00	
	<u>158.01</u>	158.01
Returned to General Treasury Fund.....		122.85
		<u>280.86</u>

BUILDINGS DEPARTMENT**Salaries**

Appropriation	3,988.00	
Additional Appropriation.....	3.00	
	<u> </u>	<u>3,991.00</u>

Expended

John J. O'Connor, Inspector.....	1,800.00	
A. E. Burnham, Assistant Inspector.....	1,252.00	
Joseph F. Roarke, Clerk	939.00	
	<u> </u>	<u>3,991.00</u>

Labor

Appropriation.....	5,918.25	
Additional Appropriation.....	247.29	
Receipts.....	1,096.53	
	<u> </u>	<u>7,262.07</u>

Expended

For Labor :		
To Sundry Persons.....	7,262.07	
	<u> </u>	<u>7,262.07</u>

Janitors

Appropriation	2,093.75	
	<u> </u>	<u>2,093.75</u>

Expended

To Sundry Persons.....	2,093.50	
Returned to General Treasury Fund.....	25	
	<u> </u>	<u>2,093.75</u>

Sundries

Appropriation.....	8,000.00	
Additional Appropriation.....	1,524.56	
Receipts	31.96	
	<u> </u>	<u>9,556.52</u>

BUILDINGS DEPT.—Continued

Expended

For Lumber.

Burnham & Davis Lumber Co.....	378.13	
F. P. Cheney.....	.50	
Davis & Sargent Lumber Co.....	326.62	
Amasa Pratt Co.....	189.65	
Pratt & Forrest.....	399.77	
W. H. Wiggin.....	24.00	
		<hr/>
		1,318.67

For Plastering, Roofing, Concrete, etc.:

Chapman & Soden.....	5.48	
P. Conlon.....	43.45	
B. F. Crosby & Co.....	116.41	
C. F. George & Co.....	265.81	
T. Hennessey.....	77.50	
J. Jalbert.....	89.53	
P. O'Hearn.....	268.66	
Alex. Ray.....	40.80	
G. H. Staples.....	54.70	
D. T. Sullivan.....	8.25	
J. H. Walker....	148.15	
J. Walsh & Son.....	113.80	
E. A. Wilson & Co.....	32.63	
		<hr/>
		1,265.27

For Plumbing, Pipe, Fittings, etc.:

H. R. Barker M'fg Co.....	528.55	
Carroll Bros.....	71.25	
T. Costello & Co.....	149.65	
J. D. Danahy.....	274.03	
H. S. Drury.....	80.04	
Deane Steam Pump Co.....	4.32	
E. F. Farrell.....	73.55	
Farrell & Conaton.....	318.03	
C. E. Gee.....	9.32	
H. F. Harding.....	36.72	
C. F. Hoisington & Son.....	113.47	
W. A. Mack Co.....	74.00	
W. H. McElholm.....	86.17	
Edward Meloy.....	351.69	
Middlesex Machine Co.....	12.96	

BUILDINGS DEPT.—Continued

Plumbing, Pipe, Fittings, etc.—Continued:

C. F. Morse.....	45.18
Otis Elevator Co.....	22.42
M. J. Quinn.....	14.05
Scannell Boiler Works	280.22
Scott & O'Day.....	23.66
Tucke & Parker Co.....	86.03
P. F. Welch.....	391.52
Welch Bros.....	604.12
H. H. Wilder & Co.....	56.49

 3,707.44

For Stationery, Printing, etc.:

Carter's Ink Co.....	.38
Courier-Citizen Co.....	10.00
Franklin Press.....	21.50
Fox Typewriter Co.....	74.50
H. C. Kittredge.....	14.75
T. H. Lawler.....	.50
G. C. Prince & Son.....	10.30
L. J. Richards & Co.....	25.00
Sampson & Murdock Co.....	3.00
F. A. M. Tobin's Printery.....	18.00

 177.93

For Hardware, etc.:

Adams Hardware and Paint Co.....	36.66
Bartlett & Dow.....	27.99
C. B. Coburn Co.....	288.21
H. C. Girard Co.....	47.84
Lynn Stall Co.....	119.25
W. A. Mack Co.....	11.17
National Casket Co.....	55.30
Rice & Co.....	3.00
Thompson Hardware Co.....	35.02

 624.44

For Board of Horses:

O. P. Davis.....	184.28
H. B. Humphrey.....	152.85
Lowell Coach Co.....	190.71
J. H. Sparks.....	187.14

 714.98

BUILDINGS DEPT.—Continued**For Shoeing Horses :**

N. Baron	2.25	
J. Blakeley	8 05	
A. D. Mitten	7 90	
Alexis Morin	19.45	
Morse & Blakeley	28.00	
Morse & Sparks	2.25	
H. Reynolds	45 75	
J. H. Sparks	23.75	
		<hr/>
		137.40

For Paints, Oil, etc :

Adams Hardware and Paint Co	82.42	
F. G. Baldwin	35.21	
C. B. Coburn Co	181.57	
Early Paint Co	23.05	
A. L. Kittredge & Co	98.26	
Rinald Bros	4.60	
Talbot Dyewood & Chemical Co . . . . .	.75	
		<hr/>
		425.86

For Express, Transportation, etc. :

American Express Co	1.65	
B. & M. R. R.	20.85	
Lowell Coach Co	8.00	
N. Y., N. H. & H. R. R.	1 19	
		<hr/>
		31.69

For Carriages, Harnesses, and Repairs :

E. P. Bryant	3.75	
Donovan Harness Co	16.50	
F. B. Hill & Co	105.70	
P. A. Mackenzie	14.70	
G. W. McElroy . . . . .	.50	
O'Dowd & Preston	5.00	
D. W. Parker	38.65	
Sawyer Carriage Co . . . . .	.71	
J. H. Sparks . . . . .	.15	
		<hr/>
		185.66

For Sundries :

App. Water Works	26.10	
Adams Hardware & Paint Co	4.50	
Edward Cawley	213.28	
C. B. Coburn Co	41.05	

BUILDINGS DEPT.—Continued**Sundries—Continued:**

Cross Awning Co.....	25.00
J. J. Doherty & Co.....	2.56
Wm. C. Dunne.....	3.00
J. B. Goodwin.....	1.50
G. E. Hutchins.....	1.00
C. H. Joyce & Co.....	12.35
Keefe Bros.....	3.13
Lowell Coach Co.....	2.00
Lowell Elec. Lt. Corp.....	176.08
Lowell Gas Lt. Co.....	350.11
John McCullough.....	5.10
Charles E. Dunn.....	2.00
National Casket Co.....	22.00
O'Donnell Dry Goods Co.....	14.69
A. G. Pollard & Co.....	9.03
N. E. T. & T. Co.....	.10
Alex. Ray.....	26.40
Simpson & Rowland.....	4.00
B. A. Staveley.....	2.00
Waverly Hotel.....	11.00
H. F. Whiting.....	9.70
Wm. Zimmer.....	.50

 967.18

 9,556.52

INSPECTOR OF WIRES**Salaries**

Appropriation.....	2,142.00
Additional Appropriation.....	213.00

 2,355.00

Expended

To James F. McElholm, Inspector.....	236.68
William R. Foster.....	1,363.32
Annie M. O'Brien, Clerk.....	626.00
P. J. McDermott, Labor.....	129.00

 2,355.00

Sundries

Appropriation.....	400.00
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 400.00

INSPECTOR OF WIRES—Continued

Expended

For Stationery, Printing, etc.:

Buckland Printing Co.....	18.00	
Courier-Citizen Co.....	17.70	
Daily Mail Pub. Co.....	3.00	
Dumas & Co.....	22.00	
Electrical Review.....	6.00	
Thomas H. Lawler.....	9.05	
Lowell Rubber Co.....	1.00	
G. C. Prince & Son.....	10.96	
L. J. Richards & Co.....	25.00	
Sampson & Murdock Co.....	3.00	
		<u>115.71</u>

For Shoeing Horses:

M. J. Cahill.....	3.00	
J. H. Sparks.....	4.50	
		<u>7.50</u>

For Board of Horses:

J. H. Sparks.....	84.30	
		<u>84.30</u>

For Carriages, Harnesses and Repairs:

F. B. Hill & Co.....	1.00	
J. H. Sparks.....	.75	
		<u>1.75</u>

For Sundries:

Adams Hardware & Paint Co.....	2.00	
American Express.....	.15	
Bon Marche	1.74	
B. & M. R. R.....	40.50	
O. P. Davis.....	14.00	
W. R. Foster.....	67.35	
Lowell Coach Co.....	16.00	
Lowell Typewriter Co.....	5.95	
N. E. T. & T. Co.....	2.17	
J. H. Sparks.....	13.00	
Tucke & Parker Co.....	3.00	
		<u>165.86</u>

375.12

Returned to General Treasury Fund....

24.88400.00

CITY SEALER

Salary

Appropriation.....	350 00	
	<hr/>	350.00

Expended

James H. Carolin.....	61.99	
John W. Stott.....	288 01	
	<hr/>	350.00

Sundries

Appropriation	50.00	
Additional Appropriation.....	250.98	
	<hr/>	300.98

Expended

For Stationery, Printing, etc.:

Baker Printing Company.....	2.25	
Buckland Printing Co.....	4.50	
Courier-Citizen Co.....	33.00	
Franklin Press.....	4 00	
H. C. Kittredge.....	.60	
T. H. Lawler.....	2.50	
Lowell Mail.....	2.25	
Lowell Sun.....	2.00	
G. C. Prince & Son.....	3 75	
Sunday Telegram.....	2 40	
Henry Troemner.....	41.50	
	<hr/>	98.75

For Express, Transportation, etc.:

Hill Transfer Co.....	23.00	
E. K. McGauvran & Co.....	4 50	
N. Y. & B. Des. Express Co.....	.25	
M. Reynolds.....	9.00	
J. H. Sparks.....	4.00	
Stanley Transportation Co	22.75	
	<hr/>	63.50

For Sundries:

John B. Billings.....	1.50	
Mary J. Dix.....	2 75	
W. & L. E. Gurley.....	129.73	
J. J. Hargraves.....	3.00	
C. F. Morse.....	1.75	
	<hr/>	138.73
		<hr/>
		300.98

Schedule I

Health and Sanitation -- 7

General Treasury Fund

Appropriations and Expenditures

Health Department—Office

Inspector of Animals

Inspector of Milk and Vinegar

Sewer Construction

Sewer Maintenance

Health Department—Yard

HEALTH DEPARTMENT—Office

Salaries

Appropriation	9,000.00	
Additional Appropriation.....	1,559 25	
	<u> </u>	<u>10,559.25</u>

Expended

Board of Health :

Thomas J. Beane	500.00	
William C. Doherty	500.00	
Leonard Huntress.....	500.00	
	<u> </u>	1,500.00

Bacteriologist :

Thomas B. Smith.....	600.00	
	<u> </u>	600.00

Agent :

Fred A. Bates	1,825.00	
	<u> </u>	1,825.00

For Inspectors	5,932.75	
	<u> </u>	5,932.75

Clerk :

Katherine M. Snow	701.50	
	<u> </u>	701.50

10,559.25

Sundries

Appropriation	2,000.00	
Additional Appropriation.....	1,275.99	
	<u> </u>	3,275.99

Expended

For Care of Patients in Hospitals, etc. :

City of Boston	866.00	
City of Worcester.....	37.14	
Lowell Hospital Association.....	399.15	
Lynn Board of Health.....	17.00	
Mass. State Sanatorium....	86.13	
	<u> </u>	1,405.42

HEALTH DEPT.—Office—Continued**For Express, Telephone, Transportation, etc.:**

American Express Co.	16.05
F. A. Bates.....	20.00
B. & M. R. R.....	20.25
Man. & Con. Ex. Co....	.50
N. E. T. & T. Co..	19 51
N. Y. & B. Des. Ex. Co.....	1.25
N. Y., N. H. & H. R. R.....	.35

 77.91
For Professional Services:

J. F. Boyle'.....	22.00
J. B. Field.....	4.00
A. J. Halpin	20.00
W. A. Johnson	404.00
E. G. Livingston	20.00
T. B. Smith	364.50

 834.50
For Laboratory Supplies:

H. M. Alexander & Co.....	102.50
Otis Allen & Son	5.00
Bausch & Lomb Optical Co....	14.47
Clinton Mfg Co.....	9.00
Ellingwood & Co.....	1 05
J. R. Fallon	10.55
R. J. Lang & Co.....	19.20
George Leininger Chemical Co.....	28.80
Talbot D. & C. Co....	9.10
Whitehall Tatum Co.....	35 68

 235.35
For Stationery, Printing, etc.:

Amer. Journal of Public Hygiene	1.00
F. A. Bates.....	12 35
Butterfield Printing Co.....	214.50
Carter's Ink Co.....	1.14
Courier-Citizen Co.....	33.25
Dumas & Co.....	3.50
Franklin Press.....	82.00
H. C. Kittredge.....	4.15
T. H. Lawler.....	3 50

HEALTH DEPT.—Office—Continued

Stationery, Printing, etc.—Continued :

Lawler Printing Co.....	19.00
Library Bureau	4.25
Osmond Long	2.50
Lowell Daily Mail	9 90
Lowell Sun	11.50
Municipal Engineering Co.....	2 00
Municipal Journal.....	3.00
G. C. Prince & Son	52.30
L. J. Richards & Co.....	25.00
Riley & Sanborn.....	1.50
Sampson & Murdock Co.....	6.00
Sunday Telegram.....	2.63
Union Printing Co.....	74.80

 569.77

For Sundries :

App. Charity, O D. R.....	2.00
Milk and Vinegar, Sundries ...	20 00
Public Buildings, Labor.....	.90
Adams H. & P. Co.....	1 10
Otis Allen & Son.....	10.00
F. A. Bates.....	11 23
J. S. Brooks	33.23
Gilbride's	6.00
H. C. Girard Co.....	.85
G. E. Hutchins	5.00
Keefe, Bros.....	2.28
Mass. A. Board of Health	8.00
C. F. Morse	3.35
J. A. Nesmith	4.00
Rose Scott.....	28.00
Stanley Coal and Wood Co.....	11.00
T. A. D. Sullivan & Co.....	6 10

 153.04

 3,275.99

HEALTH DEPARTMENT—Contagious Diseases

Appropriation	1,200.00	
	<u> </u>	<u>1,200.00</u>

Expended

City of Beverly	20.57	
Boston	630.00	
Cambridge	284.99	
Worcester	143.29	
Town of W. Newbury	121.15	
	<u> </u>	<u>1,200.00</u>

INSPECTOR OF ANIMALS**Salary**

Appropriation	500.00	
	<u> </u>	<u>500.00</u>

Expended

To W. A. Sherman, Inspector	500.00	
	<u> </u>	<u>500.00</u>

Sundries

Appropriation	10.00	
	<u> </u>	<u>10.00</u>

Expended

To Butterfield Printing Co.	10.00	
	<u> </u>	<u>10.00</u>

INSPECTOR OF MILK AND VINEGAR**Salaries**

Appropriation	2,200.00	
Additional Appropriation	4.25	
	<u> </u>	<u>2,204.25</u>

INSPECTOR OF MILK AND VINEGAR—Continued

Expended

To Thomas O. Allen, Inspector.....	1,500.00	
James E. Hill, Collector.....	704.25	
	<hr/>	2,204.25

Sundries

Appropriation.....	100.00	
Additional Appropriation	74.44	
Receipts	20.00	
	<hr/>	194.44

Expended**For Stationery, Printing, etc.:**

P. Blackistons Sons.....	4.00	
Courier-Citizen Co.....	6.75	
Dumas & Co....	15 50	
B. & M. Hutchins	1.75	
Lowell Daily Mail	1.50	
Lowell Sun	11.25	
G. C. Prince & Son	8.45	
Sampson & Murdock Co....	3.00	
Union Printing Co.....	3.50	
	<hr/>	55.70

For Laboratory Supplies:

T. O. Allen.....	2 62	
C. B. Coburn Co.....	2.30	
International Instrument Co....	63.60	
L. E. Knott Apparatus Co.....	3.19	
Talbot D. & C. Co.....	3.36	
	<hr/>	75.07

For Sundries:

American Express Co.....	.30	
D. Belleville.....	2.50	
Dean, Foster Co....	13.27	
Man. & Con. Ex. Co ...	.55	
N. E. T. & T. Co.....	47.05	
	<hr/>	63.67

194.44

SEWER CONSTRUCTION

Appropriation	45,000.00	
Receipts	655 58	
	<u> </u>	45,655.58

Expended

For Labor :		
To Sundry Persons	29,002 79	
	<u> </u>	29,002.79
For Fuel, etc. :		
Edward Cawley	252.95	
	<u> </u>	252.95
For Lumber :		
Burnham & Davis Lumber Co.....	24.53	
Davis & Sargent Lumber Co.....	49.10	
	<u> </u>	73.63
For Hardware, Fittings, etc. :		
Warren Foundry Machine Co.	835 31	
	<u> </u>	835.31
For Sundries :		
App. Engineering	1,072.43	
Sewer Maintenance.....	10,655.75	
Watering Streets	60.00	
Streets	700 00	
Mass. Cotton Mills	109.87	
O'Sullivan Bros Co.....	14.00	
	<u> </u>	12,612.05

		42,776.73
Returned to General Treasury Fund.....		2,878.85
		<u> </u>
		45,655.58

SEWER MAINTENANCE

Appropriation.....	15,000.00	
Receipts	10,683.63	
	<u> </u>	25,683.63

SEWER MAINTENANCE—Continued

Expended

For Labor :

F. W. Lazelle, Assist. Supt.....	1,399.99	
C. H. Raymond, Clerk	600.00	
Sundry Persons, for Labor	11,868.75	
		<u>13,868.74</u>

For Hardware, Tools, etc.:

Adams Hardware and Paint Co.....	35.89	
Bartlett & Dow	99.00	
H. L. Bond Co	59.50	
Boston Coupling Co	181.00	
Boston Eng. Supply Co	172.50	
Boutwell Bros.....	42.58	
Carroll Bros.....	30.00	
C. B. Coburn Co.....	36.29	
H. C. Girard Co	33.22	
W. A. Mack Co.....	.70	
C. F. Morse	70.81	
Thompson Hardware Co.....	60.80	
Union Iron Foundry	718.59	
		<u>1,540.88</u>

For Brick, Cement, Fuel, etc.:

Edward Cawley	2,208.57	
W. H. Fuller	20.00	
Horne Coal Co	20.66	
Staples Bros. Co	69.09	
D. T. Sullivan	87.60	
E. A. Wilson & Co	3,452.10	
		<u>5,858.02</u>

For Lumber :

Burnham & Davis Lumber Co.....	357.07	
Davis & Sargent Lumber Co... ..	520.28	
Amasa Pratt Co.....	15.70	
Pratt & Forrest	184.86	
W. H. Wiggin	17.39	
		<u>1,095.30</u>

SEWER MAINTENANCE—Continued

For Pipe, Fittings, etc. :

Carroll Bros.....	.50
Farrell & Conaton	4 40
Chas. E. Gee	4.09
C. F. Morse	19.74
Middlesex Machine Co.....	6.84
Union Brass Foundry	1.30
Union Iron Foundry	488 25

525.12

For Rubber Boots and Repairing :

E. Lavery	2.60
O'Sullivan Bros. Co.....	125.90

128.50

For Carriages, Harnesses and Repairs :

Donovan Harness Co.....	12.75
F. B. Hill & Co.....	8.90
P. A. MacKenzie.....	9.50
Sawyer Carriage Co.....	16.34

47.49

For Sundries :

App. Engineering	293.73
Streets	1,570.67
Water Works	13.82
Adams H. & P. Co.....	1.76
F. M. Bill & Co.....	12.00
B. & M. R. R.....	1.29
W. A. Burnham & Co.	26 00
City Hall Garage.....	27.50
C. B. Coburn Co.....	74.75
Connors Bros.....	100.00
Edson Mfg Co.....	21.60
H. C. Girard Co.....	2.00
C. H. Hanson & Co.....	154.65
G. E. Hutchins	15.60
Laflin & Rand Powder Co	66.00
Lowell Coach Co	4.00
Lowell Elec. Light Corp	18.47
Lowell Gas Co.....	2.00
Lowell Waste Co.....	9.86
T. J. McDonald.....	30.45

SEWER MAINTENANCE—Continued**Sundries—Continued :**

F. E. McNabb.....	3.00	
J. F. Morrison.....	32.50	
J. Murkland & Son....	.81	
H. E. Noyes & Son.....	12.50	
F. E. Putnam.....	8.80	
J. H. Sparks.....	15.00	
Talbot Dyewood & Chemical Co. .	.99	
	<u> </u>	2,519.75
		<u>25,583.80</u>
Returned to General Treasury Fund.....		99.83
		<u>25,683.63</u>

HEALTH DEPARTMENT—Yard**Labor**

Appropriation	25,000.00	
Additional Appropriation.....	7,957.28	
	<u> </u>	32,957.28

Expended

To Sundry Persons for Labor.....	32,957.28	
	<u> </u>	32,957.28

Sundries

Appropriation	8,000.00	
Additional Appropriation	1,715.02	
Receipts.....	56.25	
	<u> </u>	9,771.27

Expended**For Fuel, Cement, etc. :**

A. A. Brown.....	205.88	
E. Cawley.....	174.28	
Horne Coal Co.....	20.50	
	<u> </u>	400.66

For Water and Lighting :

App. Water Works	170.03	
Lowell El. Lt. Corp.....	16.91	
Lowell Gas Lt. Co.....	61.65	
	<u> </u>	248.59

HEALTH DEPT.—Yard—Continued**For Hay, Grain, etc. :**

A. M. Blackie	251.57
B. A. Cluff	153.90
E. E. Cole.....	316.20
J. B. Cover & Co.....	.75
G. M. Foster	1,290.91
Fred A. Fox.....	920.91
G. G. Kelley.....	127.88
Livingston Grain Co	301.42
T. J. McDonald	139.65
J. Mullin	393.25
H. E. Noyes & Son.....	1,049.96
H. Shedd	21.23
L. K. Sprague	212.41
J. C. Tuley.....	70.07
Paul Vigeant & Co.....	333.91
Silas Welch	13 05

5,597.07
For Veterinary :

A. W. Baker	14.00
C. A. Hamblett	3.00
W. A. Sherman	66.50
J. H. Sparks.....	2.00

85.50
For Hardware, Pipe, Fittings, etc. :

Adams H. & P. Co.....	4.60
Archibald Wheel Co.....	7.50
W. T. S. Bartlett .....	.70
Bartlett & Dow	10.50
J. C. Bennett .	9.00
Boutwell Bros.....	213.15
C. B. Coburn Co.....	4.65
Farrell & Conaton	43.61
H. C. Girard Co.....	11.26
J. F. Gordon.....	.50
C. F. Hoisington & Son.....	3.22
W. A. Mack Co.....	15.23
S. McClellan.....	8.75
Scannell Boiler Works	13.85
Thompson Hardware Co.....	.60
D. H. Wilson & Co.....	2.78

349.92

HEALTH DEPT.—Yard—Continued**For Carriages, Harnesses and Repairs :**

Donovan Harness Co.....	205.37	
C. H. Hanson & Co.....	65.00	
G. W. McElroy.....	9.00	
H. J. O'Dowd	18.00	
O'Dowd & Preston.....	40.00	
Sawyer Carriage Co.....	4.20	
J. H. Swett	13.25	
		<hr/>
		354.82

For Horses, Use of Horses, Teaming, etc. :

C. Clapp & Co.....	500.00	
P. Cogger	56.00	
C. H. Hanson & Co.....	1,113.00	
C. P. Salls.....	506.00	
		<hr/>
		2,175.00

For Sundries :

App. Pub. Bldgs, Labor.....	31.97	
F. M. Bill & Co.....	1.68	
B. & M. R. R.....	1.67	
C. B. Coburn Co.....	27.33	
Connors Bros.....	95.80	
Connors Bros. Construction Co	120.70	
P. Dempsey & Co	39.00	
Depree Chemical Co.....	21.60	
Falls & Burkinshaw	3.00	
Franklin Press.....	6.00	
D. Gage	7.35	
Gilbride's	5.07	
F. K. Hubbard	6.00	
G. E. Hutchins	14.38	
International Chemical Co.	9.60	
L. S. Kimball.....	7.50	
R. J. Lang & Co.....	1.50	
Larson & Bentley	9.00	
T. H. Lawler .....	.15	
Lowell Coach Co.....	2.00	
T. J. McDonald.....	15.53	
F. E. McNabb.....	1.85	
McNabb Bros.....	37.52	

HEALTH DEPT.—Yard—Continued**Sundries—Continued :**

W. W. Morrison	3.75	
O'Sullivan Bros. Co.....	11.00	
Pratt & Forrest	13.20	
G. C. Prince & Son.....	.30	
Pulsifer Chemical Co.....	4.00	
Shepard Clarke Co.....	13.32	
T. A. D. Sullivan & Co.....	3.80	
Talbot D. & C. Co.....	43.09	
Union Petroleum Co.....	,35	
United Disinfectant Co.....	.70	
		<hr/> 559.71
		<hr/> 9,771.27
		<hr/>

Schedule I

Highways and Bridges -- 8

General Treasury Fund

Appropriations and Expenditures

Engineering Department

Street Department

Macadamizing Streets

Perry Street Extension

Paving Moody Street

Ina Street Extension

Lighting

Watering Streets

New Sidewalks

State Highway Tax

Care of Trees

Moths

Street Watering Abatements

ENGINEERING DEPARTMENT

Appropriation	7,000.00	
Receipts.....	6,619 44	
	<hr/>	<hr/> 13,319.44

Expended

For Salaries and Labor:

George Bowers, City Engineer	2,700.00	
Sundry Persons, Labor	9,684 95	
	<hr/>	12,384 95

For Stationery, Printing, etc.:

Dumas & Co.....	20.25	
The Engineering Record.....	3.00	
Frost & Adams Co.....	3.84	
Hooper, Lewis & Co.....	10.00	
Leddey & Probst.....	11 00	
B. L. Makepeace.....	16 94	
Chas. E. Moss	1.80	
Municipal Engineering Co.....	2.00	
Municipal Journal.....	3.00	
G. C. Prince & Son	32 85	
L. J. Richards & Co	50 00	
Riley & Sanborn.....	3.00	
Sampson & Murdock Co.....	24.45	
Wadsworth, Howland & Co	30.04	
M. G. Wight & Co.....	23.75	
	<hr/>	235.92

For Express, Transportation, Telephone, etc.:

American Express Co.....	2 54	
Arthur Bartlett.....	25 75	
George Bowers... ..	8 65	
B. & M. R. R.....	40.50	
Man. & Con. Ex. Co.....	.20	
N. E. T. & T. Co.....	41 38	
N. Y. & B. Des. Ex. Co . . . . .	.90	
	<hr/>	119.92

For Sundries:

J. C. Bennett.....	1 00	
C. L. Berger & Son.....	15 25	
George Bowers.....	14.80	
W. W. Carey.....	5 00	
Donovan Harness Co.....	56.75	

ENGINEERING DEPT.—Continued

Sundries—Continued.

H. C. Girard Co.....	2 20	
F. B. Hill & Co.....	6.05	
R. J. Lang & Co.....	1.70	
F. M. Laselle.....	10.00	
Lull & Hartford	5.75	
J. S. Mason & Co.....	26 25	
C. E. Moss	4 20	
N. F. Putnam.....	9.00	
Sawyer Carriage Co.....	311.04	
Thompson Hardware Co.....	8.42	
		<u>477.41</u>
		13,218.20
Returned to General Treasury Fund.....		101.24
		<u>13,319.44</u>

STREET DEPARTMENT

Appropriation	150,000 00	
Receipts.....	15,363.42	
		<u>165,363.42</u>

Expended

For Salaries and Labor:

Charles J. Morse, Superintendent. . .	2,000.00	
George W. Hartwell, Assist. Supt. . .	1,399 99	
C. H. Raymond, Clerk.....	600.01	
Sundry Persons. Labor.....	103,559.09	
		<u>107 559.09</u>

For Gravel, Stone, Cement, Fuel, etc.:

Barber Asphalt Paving Co.....	100.00	
John Brady.....	3 50	
L. M. Carney.....	267.70	
T. E. Carr	90.74	
J. Carr & Sons	117.04	
Edward Cawley.....	2,587 05	
J. M. Dunfey.....	24.50	
Essex Trap Rock & Con. Co... ..	596 36	
H. E. Fletcher Co.....	181.33	
D. Gage.....	3 50	

STREET DEPT.—Continued**Gravel, Stone, Cement, Fuel, etc.—Continued :**

Hassam Paving Co.....	5,730 00
Horne Coal Co.....	28.18
F. A. Malorey.....	733.19
John Marinel.....	401.99
Mass. Broken Stone Co.....	1,527.28
R. Murphy.....	31.40
Joseph Mullin.....	1,094.54
T. Rafferty.....	197.83
E. A. & A. T. Smith.....	6,642.84
Staples Bros. Co.....	141.32
D. T. Sullivan.....	28.00
Geo. Suttle.....	77.60
J. Walsh & Son.....	1,874.49
E. A. Wilson & Co.....	1,970.17

24,450 55
For Painters' Supplies :

Adams Hardware & Paint Co.....	32.06
John C. Bennett.....	36.00
Boston Engineers' Supply Co.....	342.56
C. B. Coburn Co.....	201.54
P. Dempsey & Co.....	1.00
Lowell Waste Co.....	10.12
W. W. Morrison.....	15.00
J. Murkland & Son.....	29.43

667.71
For Express, Transportation, etc. :

American Express Co.....	13.83
B. & M. R. R.....	1,199.90
Lowell Coach Co.....	4.00
Man. & Con. Express Co.....	.75
N. Y., N. H. & H. R. R.....	26.52
N. Y. & B. D. Ex. Co.....	11.78
J. H. Sparks.....	38.00

1,295.78
For Damages :

J. L. Chalifoux.....	317.53
J. J. Dolan.....	250.00
J. B. Freeman.....	150.00
N. A. Garrigan.....	75.00

STREET DEPT.—Continued**Damages—Continued :**

J. E. Leary.....	100 00	
Mary A. Lowney.....	150.00	
Lowell Sun.....	179.20	
Clara A. Stanley.....	40 00	
	<hr/>	1,261.73

For Veterinary :

J. A. Dow.....	32.00	
C. A. Hamblett.....	111 00	
C. E. Munn.....	13.00	
W. A. Sherman.....	27.00	
J. H. Sparks.....	8.00	
	<hr/>	191.00

For Water, Lighting, and Telephone :

App. Water Works.....	279.65	
Lowell Electric Light Corp.....	364.43	
Lowell Gas Light Co.....	72.02	
N. E. T. & T. Co.....	38.00	
	<hr/>	754.10

For Stationery, Printing, etc. :

Dumas & Co.....	44.50	
C. I. Hood Co.....	151.55	
T. H. Lawler.....	11.00	
Osmond Long.....	10.00	
G. C. Prince & Son....	50 45	
L. J. Richard & Co.....	25 00	
C. E. Robinson.....	8.00	
Sampson & Murdock Co.....	6 00	
	<hr/>	306.50

For Hay, Grain, etc. :

A. M. Blackie....	306.16	
E. A. Blaisdell.....	117.81	
Joseph Bowers.....	582.48	
J. B. Cover & Co.....	97.14	
G. M. Foster....	936 42	
Fred A. Fox.....	241.12	
B. W. Johnson.....	187.65	
Livingston Grain Co.....	114.40	
T. J. McDonald.....	1,566.80	
Enoch Mills.....	252.06	

STREET DEPT.—Continued

Hay, Grain, etc.—Continued :

Joseph Mullin.....	3,454.05	
D. Murphy.....	199.30	
H. E. Noyes & Son.....	3,181.36	
Pawtucketville Cash Grocery.....	584.20	
F. H. Sargent.....	231 60	
L. K. Sprague	185.46	
Paul Vigeant & Co.....	1,700.52	
O. D. Wilder.....	521.40	
		14,459.93

For Carriages, Harnesses and Repairs :

E. W. Clark.....	6.95	
A. H. Cluer.....	206 40	
Crown Harness Oil Co.....	5.00	
Donovan Harness Co.	383.56	
F. B. Hill & Co.....	122.30	
P. A. Mackenzie.....	203 65	
G. W. McElroy.....	85 80	
Sawyer Carriage Co.....	4.25	
		1,017.91

For Teaming :

H. J. Arsenault	20.25
H. D. Boynton.....	38 25
J. Brady.....	58.50
A. A. Brown.....	31.50
W. E. Brown	6 75
Burnham & Davis Lumber Co.....	40 50
P. Cogger	54 00
Conway Transfer Co.....	36.00
E. Duren	20.25
G. F. Fall	104.25
Frank Fay.....	18.00
J. J. Gray	20.25
C. H. Hanson & Co.....	55.00
B. M. Johnson.....	13.50
T. G. Little	40.25
Lowell Construction Co.....	23.00
Pratt & Forrest	20.25
O. F. Prentiss	36.00
John P. Quinn	18 00
D. A. Reardon.....	18 00

STREET DEPT.—Continued

Teaming—Continued :

Fred Rourke.....	12.00	
C. P. Salls.....	10.00	
H. W. Tarbell.....	390 25	
Geo. Trull.....	18.00	
J. Walsh & Son	18.00	
H. Wheeler	2 25	
W. H. Wiggin	40.50	
C. A. Wotton	20.25	
		<hr/>
		1,183.75

For Lumber :

Burnham & Davis Lumber Co.....	698.57	
Davis & Sargent Lumber Co....	228 02	
Amasa Pratt Co.....	14 81	
Pratt & Forrest	155.29	
W. H. Wiggin.....	214.83	
		<hr/>
		1,311.52

For Horses and Use of Horses :

C. H. Clapp & Co.....	552 00	
C. H. Hanson & Co.....	12.00	
		<hr/>
		564.00

For Hardware, Tools, Pipe, Fittings, etc. :

Adams H. & P. Co.....	78.23	
Ames Plow Co.....	3.64	
Austin Weston Co.....	10.00	
H. R. Barker Mfg Co.....	35 64	
Bartlett & Dow	485.06	
Edward Boardman & Co.....	5.00	
H. L. Bond Co.....	44.40	
Boutwell Bros.....	758.75	
O. E. Brennan	21.45	
Buffalo Steam Roller Co.....	3,571.25	
Carroll Bros.....	13.68	
C. B. Coburn Co.....	51.61	
J. D. Danahy	14.87	
Farrell & Conaton	30.43	
Chas. E. Gee	8.00	
H. C. Girard Co.....	46.90	
Good Roads Mchy Co.....	490.70	
Hannagan Cutter Plow Co.....	150.00	
H. H. Harvey	24.80	

STREET DEPT.—Continued

Hardware, Tools, Pipe, Fittings, etc.—Continued :

Hazeltine Brush Co.....	20.00
N. D. Lafleur	5.00
W. A. Mack Co.....	20.80
McKiernan Drill Co.....	6.50
W. McLarney & Co.....	2.75
Middlesex Machine Co.....	5.80
C. F. Morse	24.07
N. E. Broom Co.....	293.00
Rensselaer Mfg Co.....	48.72
Rice & Co.....	15 23
Scannell Boiler Works	65.45
The Co-Operative File Co.....	4 50
Thompson Hardware Co.....	75.29
Union Brass Foundry	154.17
Union Iron Foundry	2.73
Welch Bros.....	25.79
W. E. Wilkinson.....	320.03

 6,934.24

For Sundries :

App. for Engineering.....	2,730.87
Animo Co.....	10.00
Austin Weston Co.....	3.55
F. M. Bill & Co.....	17.65
Bon Marche	13.06
B. A. Cluff.....	29.91
C. B. Coburn Co.....	14.85
Cross Awning Co....	41.10
Cudahy Packing Co....	3.50
A. F. Frost's Steam Laundry.....	47.56
D. Gage.....	5.89
C. E. Gee	13.93
Gilbride's	7.60
Gookin Bros. Co.....	5.28
C. H. Hanson & Co.....	12.00
C. M. Holmes	47 95
C. I. Hood Co.....	54.00
C. H. Joyce	10.60
Keefe Bros.....	4.67
L. S. Kimball	7.50
A. L. Kittredge	1.70

STREET DEPT.—Continued

Sundries—Continued :

R. J. Lang & Co.....	.50
Lowell Coach Co	24.00
Lowell Co-Op. Association	1.25
Lowell Waste Co.....	29.58
Lowell Polish Co.....	5.75
Geo. A. Luck	15.00
A. A. McNabb	4.40
F. E. McNabb.....	4.40
W. McLarney & Co.....	.70
Mdsx. Registry of Deeds.....	11.00
Miller & Co.....	3.75
Morse & Blakely.....	3.50
Morse & Sparks	2.00
Jas. Murkland & Son.....	55.84
J. J. Norton	5.00
O'Sullivan Bros. Co	13.40
C. A. Parker.....	44.17
F. E. Putnam	30.20
N. F. Putnam	10.00
Richardson Hotel	8.40
E. H. Sherlock.....	2.50
Sherlock & Tuttle	2.50
D. T. Sullivan	25.00
T. A. D. Sullivan & Co.....	6.60
Time Mfg Co.....	5.25
Fred Walsh	50
Waverly Hotel.....	7.00
H. F. Whiting.....	.25

 3,405.61

 165,363 42

MACADAMIZING STREETS

Appropriation.....	25,000.00	
	<hr/>	25,000.00
Expended		
For Labor :		
To Sundry Persons.....	11,889.34	
	<hr/>	11,889.34
For Advertising, etc. :		
Courier-Citizen Co.....	27 90	
Daily Mail Co.....	25 50	
L'Etoile	8.40	
Lowell Sun.....	34.30	
Sunday Telegram	9.45	
	<hr/>	105.55
For Teaming, Transportation, etc. :		
B. & M. R. R.....	990.34	
A. A. Brown.....	10.00	
B. G. Brown.....	40.00	
C. H. Hanson & Co.....	338.50	
T. G. Little	27.50	
J. Mullin	110 00	
J. P. Quinn	50.00	
F. H. Rourke	102.50	
C. P. Salls.....	77.50	
H. W. Tarbell	20.00	
	<hr/>	1,766.34
For Fuel, Cement, Stone, etc. :		
Edward Cawley	307.00	
Mass. Broken Stone Co.....	1,857.20	
E. A. & A. T. Smith	386.10	
	<hr/>	2,550.30
For Sundries :		
App. Sewer Construction.....	583.31	
Engineering	317.33	
Streets	7,394.71	
Watering Streets.....	325.00	
Sewer Maintenance.....	68.12	
	<hr/>	8,688.47
		<hr/>
		25,000.00

PERRY STREET EXTENSION

Balance Jan. 1, 1907.....	950.93	
Receipts.....	7.00	
	<u> </u>	<u>957.93</u>
Expended		
For Labor :		
To Sundry Persons.....	761.83	
	<u> </u>	<u>761.83</u>
For Sundries :		
App. Engineering.....	74.61	
Bartlett & Dow.....	5.40	
Burnham & Davis Lumber Co.....	16.11	
Davis & Sargent Lumber Co.....	53.50	
Lull & Hartford.....	.25	
Scott & O'Day	45.48	
	<u> </u>	<u>195.35</u>
		<u>957.18</u>
Returned to General Treasury Fund.....		<u>.75</u>
		<u>957.93</u>

PAVING MOODY STREET

Balance Jan. 1, 1907.....	109.75	
	<u> </u>	<u>109.75</u>
Expended		
App. for Streets.....	109.75	
	<u> </u>	<u>109.75</u>

INA STREET EXTENSION

Balance Jan. 1, 1907.....	200.00	
	<u> </u>	<u>200.00</u>
Expended		
For Labor :		
To Sundry Persons.....	199.91	
Returned to General Treasury Fund.....	09	
	<u> </u>	<u>200.00</u>

LIGHTING

Appropriation.....	92,965.00	
Additional Appropriation.....	582 20	
	<u> </u>	<u>93,547.20</u>

Expended

For Lighting Streets:

Lowell Electric Light Corp.....	64,143.52	
Lowell Gas Lt. Co	29,097.88	
	<u> </u>	93,241.40

For Corp. Streets Lights:

Lowell Gas Light Co.....	129.69	
	<u> </u>	129.69

For Public Buildings:

Lowell Gas Light Co.....	28.80	
	<u> </u>	28.80

For Sundries :

H. R. Barker Mfg Co.....	6.00	
B. & M. R. R.....	20.25	
Butterfield Printing Co.....	12.80	
H. C. Kittredge.....	2.10	
T. H. Lawler .....	.80	
Lowell Gas Lt. Co.....	63.01	
G. C. Prince & Son.....	6.35	
L. J. Richards & Co.....	25.00	
J. H. Sparks.....	4.00	
Thompson Hardware Co.....	1.50	
F. A. M. Tobin's Printery	2.50	
Waverly Hotel.....	3.00	
	<u> </u>	147 31

93,547.20

WATERING STREETS

Appropriation	17,000.00	
Receipts	385.00	
	<u> </u>	<u>17,385.00</u>

Expended

For Labor :

To Sundry Persons.....	5,336.89	
	<u> </u>	5,336.89

For Hardware, Fittings, etc.:

App. Water Works	82.70	
H. R. Barker Mfg Co.....	37.46	
Boutwell Bros.....	7 63	
J. D. Danahy	129.62	
H. S. Drury	24.68	
Farrell & Conaton	4.07	
H. C. Girard Co	3.39	
J. L. & H. K. Potter	26.30	
Rice & Co	2.10	
	<u> </u>	317 95

For Sundries :

App. Engineering	232.62	
Streets.....	3,087.32	
Water Works.....	1,564.49	
American Car Sprinkler Co....	5,750.50	
Adams Hardware and Paint Co.....	8.00	
Bon Marche	1.75	
B. & N. St. Ry.....	867.00	
C. B. Coburn Co.....	11.28	
Donovan Harness Co.....	33.64	
C. H. Hanson & Co.....	117.70	
Lowell El. Lt. Corp.....	29.03	
Lowell Waste Co.....	10.20	
Alice McNabb.....	.75	
F. E. McNabb.....	5.78	
James Murkland & Son .....	.25	
Charles E. Robinson	9.25	
Talbot D. & C. Co.....	.60	
	<u> </u>	11,730.16
		<u>17,385.00</u>

NEW SIDEWALKS

Appropriation	10,000.00	
	<u>10,000.00</u>	<u>10,000.00</u>
Expended		
For Labor :		
To Sundry Persons	1,593 19	
	<u>1,593.19</u>	1,593.19
For Stone, Concrete, etc.:		
Edward Carr.....	483.87	
T. E. Carr.....	504.84	
F A. Malorey	713.30	
John Marinel	558.76	
E. A. & A. T. Smith.....	1,731.65	
Jas. Walsh & Son.....	263 80	
	<u>4,256 22</u>	4,256 22
For Sundries :		
App. Engineering	165.01	
" Streets	407.74	
	<u>572.75</u>	572.75
		<u>6,422.16</u>
Returned to General Treasury Fund.....		3,577.84
		<u>10,000.00</u>

STATE HIGHWAY TAX

Appropriation.....	132 65	
	<u>132.65</u>	<u>132.65</u>
Expended		
To Commonwealth of Mass.....	132.65	
	<u>132.65</u>	<u>132.65</u>

CARE OF TREES

Appropriation	500.00	
	<u> </u>	500.00

Expenditure

For Labor :		
Sundry Persons	443.64	
	<u> </u>	443.64
For Hardware, etc. :		
Boutwell Bros.....	3.36	
H. C. Girard Co.....	.20	
H. L. Gonzales.....	.50	
W. A. Mack Co.....	17.00	
	<u> </u>	21.06
For Sundries :		
Butterfield Printing Co.....	5.50	
H. L. Gonzales	5.25	
Rice & Co.....	9.55	
C. F. Young	15.00	
	<u> </u>	35.30
		<u> </u>
		500.00

MOTHS

Balance Jan. 1, 1907	1,046.90	
Appropriation	2,500.00	
Additional Appropriation.....	4,000.00	
	<u> </u>	7,546.90

Expended

For Labor :		
To Sundry Persons	6,316.33	
	<u> </u>	6,316.33
For Sundries :		
App. Park, Sundries.....	277.00	
Adams H. & P. Co.....	26.98	
American Express Co....	4.93	
Arthur Bartlett	29.00	

MOTHS—Continued**Sundries—Continued :**

Barlett & Dow.....	150.59	
B. & M. R. R.....	.93	
Bowker Insecticide Co.....	2.40	
Butterfield Printing Co.....	30.25	
Samuel Cabot.....	4.50	
A. W. Chesterton & Co.....	8.10	
Fred C. Church	50.00	
C. B. Coburn Co.....	37.52	
Desmarteau and Farlardeau .....	.80	
Donovan Harness Co.....	21.10	
Edward Goggin	150.00	
George A. Hardy	18.00	
C. H. Hanson & Co....	2.50	
Geo. E. Hutchins	3.60	
Lunt Moss & Co.....	1.00	
C. W. H. Moulton	120.10	
N. E. T. & T. Co.....	3.08	
Pratt & Forrest.....	41.26	
G. C. Prince & Son	70.00	
L. J. Richards & Co.....	25.00	
C. E. Robinson.....	4.00	
Stoddard H. R. Co....	135.68	
C. A. Whittet	3.00	
J. T. Williamson	9.25	
		1,230.57
		<u>7,546.90</u>

STREET WATERING ABATEMENT

Appropriation.....	14.50	
Receipts	2.00	
		<u>16.50</u>
Expended		
O. & S. Christesen.....	2.00	
P. B. Dufresne	2.00	
Heirs H. K. Ferrin	4.00	
Lowell Trust Co.	8.50	
		<u>16.50</u>

Schedule I

Charities and Corrections -- 9

General Treasury Fund

Appropriations and Expenditures

Charity Department—Hospital

Charity Department—Out - Door Relief

City Hospital—Repairs

CHARITY DEPARTMENT

Lowell City Hospital and Almshouse

Labor

Appropriation	11,000 00	
Additional Appropriation.....	1,112.92	
	<u> </u>	<u>12,112.92</u>

Expended

Forster H. Smith, City Physician.....	700.00	
To Sundry Persons.....	11,412.92	
	<u> </u>	<u>12,112.92</u>

Sundries

Appropriation.....	30,000.00	
Additional Appropriation.....	7,505 95	
Receipts .....	.35	
	<u> </u>	<u>37,506.30</u>

Expended

For Grain, Groceries and Provisions :

C. M. Allen.....	119 12
Armour & Co.....	2,231 76
F. S. Bean & Co.....	458.62
F. M. Bill & Co.....	2,842.77
Peter J. Brady.....	120 50
G. J. & D. Bradt.....	87.50
O. E. Brennan	304.81
W. J. Burbeck.....	5.40
C. A. Bresnahan.....	8.80
M. Calnan.....	35.82
Coffey Bros.....	2,155.46
E. E. Cole.....	374.12
C. G. Coburn.....	92.40
J. B. Cover & Co.....	63.30
Cudahy Packing Co.....	12.00
D. J. Donovan.....	21.60
M. Donovan & Co.....	35.40
D. Dimodana.....	10.00
F. J. Dunn.....	209.00

CHARITY DEPT.—Continued**Grain, Groceries and Provisions—Continued :**

J. J. Dunn.....	14.00
T. R. Fahey.....	176 22
Fleischmann Co.....	148.80
T. J. Fitzgerald	148 68
Joseph Flynn.....	313.20
G. M. Foster.....	134.90
C. F. Garland	119.96
Daniel Gage.....	444.16
J. J. Gallagher.....	65.75
J. W. Green	43.75
David Gerow.....	6.96
Green Chicken Feed Co.....	13.40
J. D. Hartwell.....	7.20
A. C. Hoyt.....	153.85
W. A. Ingham Co.....	158.45
Keefe Bros	1,438.67
Livingston Grain Co.....	172.56
Lowell Pack. & Prov. Co.....	524.57
A. L. Macrae.....	135.15
Manfield Witham & Co.....	178.40
T. J. McDonald.....	254.46
T. F. McKay.....	75.00
F. J. McSorley.....	240.00
Morris & Co.....	84.50
Jos. Mullin.....	109.00
W. J. Murphy.....	9.10
Carl Noyes.....	2.13
H. E. Noyes & Son.....	654.85
O'Brien Bros	704.06
O'Donnell Bros.....	350.60
Omaha Packing Co.....	229.00
Pawtucketville Cash Grocery.....	139.04
Park & Pollard Co.....	10.05
G. E. Putnam & Son.....	1,008.51
Robertson Tobacco Co.....	185.40
J. F. Saunders.....	56.10
Sabourin & O'Rourke.....	61.76
Simpson & Rowland.....	1,239.18
Caleb L. Smith.....	1,737.23
T. A. D. Sullivan & Co.....	252.46

CHARITY DEPT.—Continued

Grains, Groceries and Provisions—Continued :

Swift & Bailey.....	2,503.24	
Percy D. Thompson, Agt.....	15.00	
C. W. Wilder.....	21.84	
O. D. Wilder.....	436.08	
B. F. Witham.....	281.60	
		<hr/>
		24,347.20

For Cows :

E. Aldrich.....	45.00	
H. Bickford.....	45.00	
E. P. Cleveland.....	180.00	
H. & E. W. Gilman.....	30.00	
W. Gray.....	80.00	
H. Leland.....	35.00	
L. M. Lund.....	50.00	
P. E. Roberts.....	230.00	
F. Wright.....	60.00	
		<hr/>
		755.00

For Drugs, Medicine, etc. :

Concord Drug Co.....	2.00	
Columbian Insecticide Co.....	181.66	
C. B. Coburn Co.....	10.49	
Ellingwood & Co.....	11.30	
A. W. Dows & Co.....	9.00	
Frye & Crawford.....	1.00	
C. W. Lerner & Co.....	3.00	
Talbot Dyewood & Chemical Co....	140.21	
Worrell Mfg Co.....	50.00	
H. E. Webster Co.....	2.25	
		<hr/>
		410.91

For Hardware, Pipe, Fittings, etc. :

Adams Hardware and Paint Co.....	32.82	
Bartlett & Dow.....	102.82	
H. R. Barker Mfg. Co.....	5.82	
J. C. Bennett.....	4.25	
Boutwell Bros.....	10.69	
Cheney & Thomson.....	27.85	
T. Costello & Co.....	11.70	
H. S. Drury.....	5.67	
Carroll Bros.....	58.08	
H. C. Girard Co.....	28.24	

CHARITY DEPT.—Continued

Hardware, Pipe, Fittings, etc.—Continued:

H. L. Gonzales.....	6.90
C. B. Coburn Co.....	68.93
H. W. Chesterton & Co.....	8.25
W. A. Mack Co.....	25.26
W. J. Murphy.....	1.00
M. Veevers Co.....	5.00
Rice & Co.....	2.61
Richardson Mfg. Co.....	115.50
The A. D. Cup Co.....	2.25
P. F. Welch.....	15.40
Scannell Boiler Works.....	144.56
Thompson Hardware Co.....	12.91
Tucke & Parker Co.....	1.44
H. H. Wilder & Co.....	11.50
D. H. Wilson & Co.....	29.40
Welch Bros.....	79.18

818.03

For Water Lighting and Telephone:

App. Water Works.....	1,094.58
Lowell Elec. Lt. Corp.....	463.70
Lowell Gas Lt. Co.....	609.23
N. E. Tel. & Tel. Co.....	13.59

2,181.10

For Painters' and Electricians' Supplies:

Adams H. & P. Co.....	60.20
C. B. Coburn Co.....	156.77

216.97

For Stationery, Printing, etc.:

Carter's Ink Co.....	.76
Dumas & Co.....	19.00
Courier-Citizen Co.....	6.00
Franklin Press.....	8.00
T. H. Lawler.....	35.60
G. C. Prince & Son.....	23.73
Sampson & Murdock Co.....	3.00
F. A. M. Tobin's Printery.....	9.00

105.09

For Fuel, etc.:

Edward Cawley.....	77.97
M. F. Downs.....	35.00
D. T. Sullivan.....	5.68
E. A. Wilson.....	3,971.44

4,090.09

CHARITY DEPT.—Continued

For Shoeing Horses :

David Bellerose.....	3.70
O. J. Carney & Co.....	25.25
M. J. Cahill.....	1.75
J. J. Donnelly.....	56.85
H. Reynolds ...	41.50

 129 05

For Carriages, Harnesses and Repairs :

D. Bellerose.....	95
Donovan Harness Co.....	89 10
F. B. Hill & Co.....	1 60
O'Dowd & Preston.....	14.60
J. H. Swett.....	4 49
W. H. Ward.....	16.30

 127.04

For Express, Transportation, etc. :

American Express Co.....	5 75
B. & M. R. R	14 07
M. J. Courtney.....	116.68
Man. & Con. Ex. Co.....	.75
N. Y., N. H. & H. R. R. .	43.10

 180.35

For Clothing, etc. :

Bon Marche D. G. Co.....	58 34
Boulger Shoe Co	7 60
Cook, Taylor Co.....	20 25
J. L. Chalifoux.....	22.30
J. J. Coughlin.....	33 00
J. J. Doherty & Co.....	2 00
P. Fitzgibbons.....	295.62
Gilbride's.....	308 41
Hub Shoe Store.....	8.30
J. J. Lonergan.....	4 80
Mass. State Prison	1,247.70
Merk Clothing Co.....	72 00
O'Donnell D. G. Co	263.22
Pelletier & Ledoux.....	86.25
A. G. Pollard & Co.....	181.15
Sunlight Shoe Store.....	21 00

 2,631.94

CHARITY DEPT.—Continued

For Sundries :

App. Health Yard, Sundries.....	56 25
Automatic Time Stamp Co.....	7 50
Bennett Bros	190.00
C. A. Bresnahan....	4.88
J. E. Buerk.....	1.80
Frank R. Brady	4.00
C. B. Coburn Co	13 99
H. W. Coburn	50
Collins	7.45
Davis & Sargent L. Co.....	119 86
Joseph Dextra.....	7 25
D. J. Donovan.....	6 00
Duparquet, Herot & Moneuse Co ..	4.80
F. L. Farrington.....	3 50
T. J. Fitzgerald.....	6 60
H. C. Girard Co.....	.25
A. R. Gardner	8 00
H. L. Gonzales	3.20
Greenwood Bros.....	49.75
C. E. Gee.....	8.90
Gookin Bros. Co.....	85.15
G. E. Hutchins.....	25.20
F. A. Hodson	23.00
W. A. Ingham Co.....	13.00
T. H. Kelley	45.00
J. F. Kelley & Co.....	45.00
Lowell Cadet Band	50.00
Lowell Steam Carpet C. Wks.....	46.68
R. J. Lang & Co.....	3 00
Wm. Henry Maule.....	37.16
J. J. McManmon	36.40
Maplewood Mills.....	40.00
H. C. McOsker	54.25
W. W. Morrison	7.50
Mdsx. Leather Co.....	31.05
J. Murkland & Son.....	20.66
W. J. Murphy	17.90
H. S. Perham	2.76
Pratt & Forrest.....	25.25
Samuel Scott	72.00

CHARITY DEPT.—Continued**Sundries—Continued :**

A. Simard .....	.25	
C. E. Simpson	4.00	
D. T. Sullivan	6.40	
Park & Pollard Co.....	11.25	
Vulite Boiler Fluid Co....	48 00	
J. H. Walker... ..	12.15	
C. M. Warner	16.96	
Fred F. Welch.....	222.74	
Williams Furn. Co.....	6.94	
	<hr/>	1,513.53
		<hr/>
		37,506.30
		<hr/>

Out-Door Relief—Office

Appropriation	5,000.00	
Additional Appropriation.....	143.64	
	<hr/>	5,143.64
		<hr/>

Expended**For Salaries :**

Martin J. Courtney, Supt.....	2,000.00	
Nellie A. Keyes	1,000.00	
William F. Gallagher.....	985 00	
Walter S. Smith	765.00	
	<hr/>	4,735 00

For Stationery, Printing, etc. :

F. S. Blanchard & Co.....	2 00	
Butterfield Printing Co.....	26.45	
Carter's Ink Co .....	.38	
Dumas & Co.....	16.50	
Lawler Printing Co.....	16 50	
T. H. Lawler.....	.75	
Library Bureau	20.80	
G. C. Prince & Son	15.55	
Sampson & Murdock Co.....	6.00	
F. A. M. Tobin's Printery	30 50	
Riley & Sanborn.....	3.75	
	<hr/>	139.18

CHARITY DEPT.—Continued

For Telephone, Transportation, etc.:

B. & M. R. R.....	184.22	
M. J. Courtney.....	60 30	
J. F. Kelley & Co.....	20.00	
N. E. T. & T Co.....	3.09	
W. U. Tel. Co.....	1.85	
		<u>269.46</u>
		<u>5,143.64</u>

Out-Door Relief—General Sundries

Appropriation	27,000.00	
Receipts.....	94.98	
		<u>27,094.98</u>

Expended

Ambulance—For Drivers:

Sundry Persons	3,128.56	
		<u>3,128.56</u>

For Surgeon:

Patrick E. Sullivan.....	400.00	
		<u>400.00</u>

For Carriages, Harnesses and Repairing:

P. Blanchard	38.00	
Donovan Harness Co.....	105.09	
F. B. Hill & Co.....	21.75	
Sawyer Carriage Co.....	93.91	
		<u>258.75</u>

For Shoeing Horses:

M. J. Cahill.....	49.70	
O. J. Carney & Co	51.10	
J. J. Donnelly.....	17.55	
Henry Reynolds.....	29.00	
		<u>147.35</u>

For Water, Lighting and Telephone:

App. Water Works.....	30.60	
Lowell Electric Light Corporation...	50.17	
Lowell Gas Light Co.....	66.96	
N. E. T. & T. Co.....	27.56	
W. U. Tel. Co.....	1.57	
		<u>176.86</u>

CHARITY DEPT.—Continued

For Hay, Grain, etc :

G. M. Foster.....	91.74
Jos. Mullin	107.32
H E. Noyes & Son.....	110.26
Paul Vigeant & Co	125.17

434.49

Ambulance—For Sundries :

Animo Medicine Co.....	5 00
A. W. Baker.....	4.00
A. G. Pollard & Co.....	8.17
J. H. Sparks.....	3.00

20.17

Dispensary—For Physicians:

P. Brunelle	261.00
A. E. Gillard	210.00
A. J. Halpin	318.00
T. J. Halloran	202.00
G. O. Lavallee.....	200.00
E. M. Murphy	170.64
J. E. Leary	33.36

1,395.00

For Clerk:

Edwin F. Mason	1,042.85
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1,042.85

For Dispensary Supplies :

F. H. Butler	2.50
Brunelle's Pharmacy	204.05
Carter & Sherburne	4.77
John E. Cassidy & Son.....	162.05
Clinton Mfg Co.....	35.92
Chas. E. Carter	45.00
P. Dempsey & Co.....	233.66
Ellingwood & Co.....	270.20
C. B. Coburn Co.....	.23
A. W. Dows & Co.....	2.90
Falls & Burkinshaw	122.13
Frye & Crawford	12 00
R. J. Lang & Co.....	204.87
Lewis Mfg Co.....	10.50
E. F. McEvoy.....	12.25
E. A. McQuade	181.92
Plunkett's Pharmacy.....	60.43

CHARITY DEPT.—Continued

Dispensary Supplies—Continued :

Simpson & Rowland.....	34.43	
A. T. Story & Co....	20.00	
Talbot Dyewood & Chemical Co.....	.60	
	<hr/>	1,620.41

Wood Yard—For Labor:

Sundry Persons.....	1,252.00	
	<hr/>	1,252.00

For Fuel:

C. B. Coburn Co.....	.25	
John Brady	44.00	
Edward Cawley....	1,166.37	
M. F. Downs	399.56	
D. Gage.....	28.15	
John Marinell.....	1,051.80	
	<hr/>	2,690.13

For Sundries:

C. B. Coburn Co.....	.48	
H. L. Gonzales.....	12.80	
Lowell Elec. Lt. Corp.....	47.16	
Henry Reynolds.....	21.50	
	<hr/>	81.94

For Interments :

App. Pub. Bldgs, Labor	387.50	
Joseph Albert.....	34.00	
A. H. Bixby.....	3.00	
J. B. Currier & Co.....	3.00	
J. W. Brooks.....	10.00	
A. Archambault	30.00	
H. Ela.....	12.00	
G. W. Healey.....	14.00	
J. J. Higgins.....	3.00	
J. H. McDermott....	36.00	
M. H. McDonough & Co	9.00	
J. W. McKenna.....	9.00	
C. H. Molloy.....	49.00	
J. J. O'Connell & Co....	6.00	
J. F. O'Donnell & Sons.....	48.00	
J. F. Rogers.....	8.00	
P. H. Savage.....	57.00	
J. A. Weinbeck.....	9.00	
C. M. Young & Co	5.00	
	<hr/>	732.50

CHARITY DEPT.—Continued

Support Out of Almshouse

Cities and Towns:

City of Beverley.....	137.00
Boston.....	984.34
Fall River.....	41.93
Haverhill.....	92.10
Holyoke.....	202.25
Lawrence.....	46.00
Lynn.....	112.05
Medford.....	7.60
Newburyport.....	109.01
New Bedford.....	3.00
Newton.....	69.01
Salem.....	145.25
Springfield.....	85.50
Taunton.....	96.75
Woburn.....	49.19
Worcester.....	102.03
Town of Andover.....	91.05
Avon.....	102.00
Clinton.....	19.20
Lancaster.....	3.00
Sturbridge.....	10.00
Southbridge.....	2.92
Weymouth.....	57.70

2,569.78

Commonwealth:

Commonwealth of Massachusetts..	724.70
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724.70

Hospitals, Institutions:

The Childrens' Hospital.....	5.50
The Convalescent Home.....	14.00
Foxborough State Hospital.....	236.32
Hospital Cottages for Children.....	715.44
Mass. Hospital for Epileptics.....	1,185.79
Perkins Inst. and Mass. School for the Feeble-minded.....	29.14
St. John's Hospital.....	1,804.36
St. Peter's Orphan Asylum.....	1,315.50
Sisters of Charity, Lawrence.....	1,105.52
Westborough Insane Hospital.....	40.86
Working Boys' Home Ind. School...	64.00

6,516.43

CHARITY DEPT.—Continued

Cash Allowances :

Sundry Persons	2,840.75	
	<u> </u>	2,840.75

For Orders :

C. J. Mulholland	108.00	
	<u> </u>	108.00

For Sundries :

American Ex. Co.....	.60	
Boulger Shoe Co.....	5.45	
C. B. Coburn Co.....	18.51	
F. M. Bill & Co	13.50	
Franklin Press.....	9.50	
Gilbride's ..	5.90	
H. L. Gonzales .	6.75	
H. C. Girard Co....	2 05	
D. Gage.....	9.00	
F. H. Kelley	12.34	
Keefe Bros.....	2.10	
H. C. Kittredge	3.50	
Lawler Printing Co.....	3.25	
Man. & Con. Ex. Co....	.20	
Merrk. Clothing Co.....	1.30	
J. McCullough.....	.70	
W. W. Morrison	1.25	
N. Y. & B. D. Ex. Co.....	.75	
O'Sullivan Bros. Co.....	7.60	
G. C. Prince & Son.....	8.50	
A. G. Pollard & Co.....	8.28	
L. J. Richards & Co.....	25.00	
J. H. Sparks.....	13.00	
Sampson & Murdock Co.....	3.00	
F. A. M. Tobin's Printery	24.75	
Thompson Hardware Co	1.25	
Union Printing Co.....	64.40	
W. U. Tel. Co.....	.25	
	<u> </u>	252.68

Transferred to General Treasury Fund..

26,588.36
506.62

27,094.98

CITY HOSPITAL REPAIRS

Appropriation	3 000.00	
	<u>3,000.00</u>	<u>3,000.00</u>
Expenditure		
For Labor :		
To Sundry Persons	289.98	
		<u>289.98</u>
For Hardware, Plumbing, etc. :		
H. R. Barker Mfg Co.....	2,525.00	
J. D. Danahy	15.23	
	<u>2,540.23</u>	2,540.23
For Paints, Oils, etc. :		
Early Paint Co.....	46.90	
	<u>46.90</u>	46.90
For Plastering, etc. :		
B. F. Crosby & Co.....	28.36	
	<u>28.36</u>	28.36
For Sundries :		
C. B. Coburn Co.....	5.50	
Courier-Citizen Co.....	6.38	
Lepine & Co.....	3.50	
Lowell Sun	2.25	
H. C. McOske	60.00	
	<u>77.63</u>	77.63
		<u>2,983.10</u>
Returned to General Treasury Fund.....		16.90
		<u>3,000.00</u>

Schedule I

Public Schools -- 10

General Treasury Fund

Appropriations and Expenditures

School Department

School Houses

School House Repairs

Textile School

SCHOOL DEPARTMENT

Appropriation.....	279,000.00	
Additional Appropriation	105,296.49	
	<u> </u>	<u>384,296.49</u>

Expended

For Salaries :

A. K. Whitcomb, Superintendent....	3,000.00	
Truant Officers.....	4,300.00	
Assistants in Supt's office.....	1,145.00	
	<u> </u>	8,445.00

For Teachers :

High.....	40,191.00	
Grammar.....	100,362.17	
Primary	85,644.46	
Training.....	12,466.75	
Kindergarten	13,199.50	
Drawing.....	1,495.50	
Music.....	2,042.50	
Sewing.....	800.00	
	<u> </u>	256,201.88

Evening Schools :

High.....	4,341.50	
Grammar.....	11,051.75	
Drawing.....	2,753.00	
	<u> </u>	18,146.25

Janitors :

Day Schools.....	41,894.87	
Evening Schools.....	3,181.75	
	<u> </u>	45,076.62

For Books :

American Book Co.....	636.30
Allyn & Bacon	22.50
Atkinson, Mentxer & Grover	79.70
D. Appleton Co.....	72.24
E. E. Babb & Co.....	3,621.03
A. S. Barnes & Co.....	21.60
I. Ditson Co.....	3.60
Dodd, Mead & Co.....	200.00
Ginn & Co.....	1,662.38
Gregg Pub. Co.....	28.25

SCHOOL DEPT.—Continued

Books—Continued :

D. C. Heath & Co.....	240.28
Houghton Mifflin & Co.....	2.33
Henry Holt Co.....	90.21
Kenney Bros. & Wolkins.....	41.20
T. H. Lawler.....	106.05
Longman's Green & Co.....	1.39
J. B. Lippincott Co.....	115.00
Maynard Merrill & Co.....	101.35
Munn & Co.....	3.00
McKinley Pub. Co.....	1.70
G. C. Merriane Co.....	3.40
Newson & Co.....	10.42
Partical Text Book Co.....	43.00
G. C. Prince & Son.....	150.90
B. H. Sanborn & Co.....	353.09
Schoenhof Book Co.....	4.28
Silver Burdett & Co.....	425.11
P. B. Simmons.....	3.74
Thompson Brown & Co.....	10.63
The World Map Co.....	3.00

8,057.68

For Stationery, Printing, etc.:

Amburg File & Index Co.....	.65
Baker Ptg. Co.....	121.25
Buckland Ptg. Co.....	64.25
Butterfield Ptg. Co.....	315.50
Columbia School Supply Co.....	62.37
Courier-Citizen Co.....	293.10
Carter Rice & Co.....	12.74
Dumas & Co.....	417.25
G. J. Esselen.....	2.25
F. J. Flemings.....	10.17
C. F. Hatch.....	11.84
Holden Patent Book Cover Co.....	6.75
H. C. Kittredge.....	9.19
G. F. King.....	235.93
Frank Lemire.....	5.00
Lowell Sun.....	5.25
T. H. Lawler.....	994.76
Lowell Mail.....	6.00
C. A. Morton.....	3.60

SCHOOL DEPT.—Continued

Stationery, Printing, etc.—Continued

Osmond Long	95.00
Paul Ink Co.....	5.04
G. C. Prince & Son.....	2,377.92
Sampson & Murdock Co.....	9.00
Taylor Holden Co.....	26 30
Aaron S. Thompson....	38.25
F. A. M. Tobin's Pty.....	54.00
Union Ptg. Co.....	62.50
Underwood Typewriter Co.....	2.00
J. Wibberly.....	53.75
M. G. Wight & Co.....	258.51
H. C. Wilder.....	7.00
Wadsworth Howland Co	12.75

5,579.86

For Hardware :

Adams H. & P. Co.....	192.43
W. T. S. Bartlett....	18.35
Bartlett & Dow.....	5.49
J. C. Bennett.....	15.66
Boutwell Bros.....	15.57
H. E. Carlisle.....	5.63
Carroll Bros.....	27.60
Cheney & Thomson Co.....	46.60
C. B. Coburn Co.....	69.42
Farrell & Conaton	18.09
Flather & Co.....	325.60
C. E. Gee.....	24.90
H. C. Girard Co.....	210.85
H. L. Gonzales.....	54.20
W. G. Hallock.....	12.00
Keystone Wire Matting Co.....	31.10
D. Lovejoy & Son .....	.50
C. F. Hoisington & Son.....	7.20
W. A. Mack Co.....	5.25
Pevey Bros.....	6.85
Pevey Foundry Co.....	2.40
F. E. Reid Co.....	59.00
A. L. Ready & Son.....	35.00
Seneca Falls Mfg. Co.....	1.50

SCHOOL DEPT.—Continued

Hardware—Continued:

F. Strauss.....	3.25	
Thompson Hdw. Co.....	173.57	
H. H. Wilder & Co.....	2.75	
Wm. Zimmer.....	24.75	
		<hr/>
		1,395.51

For Paints, Oils, etc.:

Adams H. & P. Co.....	23.71	
C L. Chase & Son.....	1.65	
C B. Coburn Co.....	39.09	
Columbia Refining Co.....	6 96	
F. E. Johnson Co.....	12.50	
J. F. Morrison.....	2.50	
W. J. Murphy.....	.26	
		<hr/>
		86.67

For Music and Musical Supplies:

American Orchestra.....	50.00	
Boston Music Co.....	10.00	
E. R. Carroll.....	16.94	
I. A. Foote.....	147.00	
P. Gallagher.....	31.65	
L. Grunewald, Jr.....	17.00	
Hibbard's Orchestra.....	67.00	
Lowell Military Band.....	75.00	
W. A. Owen.....	23.00	
M. Steinert & Son.....	34.90	
G. A. Whitmon.....	19.24	
		<hr/>
		491.73

For Furniture, Repairs, Cloth, etc.:

Adams & Co.....	77 05	
F. G. Baldwin.....	56.93	
Bon Marche.....	41.57	
P. Brady.....	19.00	
Cook, Taylor & Co.....	80.85	
C. H. Chadwick & Co.....	19.90	
John J. Coughlin.....	8.40	
G. W. Dudley.....	14.00	
Gilbride's.....	2.95	
Gookin Bros. Co.....	5.10	
Gookin Furniture Co.....	731.50	

SCHOOL DEPT.—Continued

Furniture, Repairs, Cloth, etc.—Continued:

Gregory L. B., B. B. & Co.....	12.50
A. L. Kittredge Co.....	169.76
W. McErain.....	29.65
Marshall & Crosby.....	8 00
R. T. Mower.....	5.00
H. C. McOsker.....	34.56
O'Donnell D. G. Co.....	56.69
A. E. O'Heir & Co.....	52.75
A. G. Pollard & Co.....	223.79
Jas. Stanley.....	28.50
W. R. Waterman.....	8 20

1,686.65

For Express, Transportation, etc.:

American Ex. Co.....	40.92
B. & M. R. R.....	.93
B. & N. St. Ry.....	225.00
Conway Transfer Co.....	2.75
P. W. Hunt.....	1.00
Hill Transfer Co.....	123.50
E. Judge.....	9.00
Man. & Con. Ex. Co.....	29.35
N. Y. & B. D. Ex. Co.....	4.35
N. Y., N. H. R. R.....	24.32
J. F. O'Donnell & Son.....	6.00
O. F. Prentiss.....	5.00
J. H. Sparks.....	5.50

477.62

For Water, Lighting and Tel.:

App. Water Works.....	1,379.14
Lowell El. Lt. Corp.....	2,185.39
Lowell Gas Lt. Co.....	351.90
N. E. T. & T. Co.....	65.92

3,982.35

For Laboratory Supplies:

Bausch & Lomb Optical Co.....	71.42
Central Scientific Co.....	79.56
Clinton Mfg Co.....	3.80
F. E. Johnson Co.....	37.50
L. E. Knott Apparatus Co.....	49.48

SCHOOL DEPT.—Continued

Laboratory Supplies—Continued :

Keuffel & Essex Co.....	1.50	
Orient. Mfg Co	20.00	
Talbot D. & C. Co.....	137.11	
		<hr/>
		400.37

For Electrical Repairs :

H. W. S. Davis.....	13.54	
H. Harding	8.34	
C. F. Morse	57.48	
M. J. Quinn	5.98	
Tucke & Parker Co.....	428.34	
		<hr/>
		513.68

For Fuel:

Jonn Brady.....	2 85	
J. T. Brennan	161.00	
A. A. Brown.....	81.36	
Edward Cawley.....	21,470 68	
W. T. Griffin	109.25	
Horne Coal Co.....	21.00	
Jos. Mullin	17.00	
Frank Reilly....	248.50	
D. T. Sullivan	7.50	
		<hr/>
		22,401 29

For Board and Shoeing :

J. J. Donnelly.....	58.75	
J. H. Sparks.....	559.58	
		<hr/>
		618.33

For Carriages, Harnesses and Repairs :

Donovan Harn. Co	15.00	
F. B. Hill & Co.....	75.95	
O'Dowd & Preston.....	10.50	
Sawyer Carriage Co.....	46 80	
J. H. Sparks.....	12.95	
		<hr/>
		161 20

For Sundries :

App. School Hos, Labor.....	1,295.22	
“ Pub. Bldgs, Labor	549.18	
Henry Turner Bailey	25.00	
Milton Bradley Co.....	769.59	
F. G. Baldwin	14.67	

SCHOOL DEPT.—Continued

Sundries—Continued :

T. S. Buck Mfg Co.....	.45
Earl Barnes	75 00
Adams H. & P. Co.....	3.18
C. H. Chadwick & Co.....	12 75
P. P. Caproni & Co.....	14.25
C. B. Coburn Co.....	161.43
Champion Blackboard Co.....	86.49
Courier-Citizen Co.....	5.40
J. J. Cluin	89.00
Columbia Refining Co....	8.12
C. A. Cote	7.00
Cross Awning Co.....	14 50
E. S. Colton.....	55.95
Combined Tool Co	72.29
Oliver Ditson Co.....	24 75
T. H. Elliott	50.00
Jas. E. Donnelly.....	8.90
F. J. Flemings.....	11.17
Wm. C. Dunne	18.00
M. Finnegan.....	1.25
Grant Jewelry Co.....	1.80
Greenwood Bros.....	30.95
Fitch Dustdown Co.....	4.87
E. F. Hathaway	1.00
W. A. Ingham Co.....	52.85
Thos. Hannafin.....	2.00
G. E. Hutchins	10 55
W. B. Jacobs.....	75.00
Kelty Bros.....	.50
Kenny Bros. & Wolkins...	10.38
Kenffel & Essex Co.....	23 36
C. H. Kimball & Co.....	61.95
Lalo Mfg. Co.....	16 00
Lowell Opera House.....	200 00
Lowell Wall Paper Co.....	2 20
F. Lewis.....	4 00
D. Lovejoy & Son.....	1 00
Lull & Hartford	31 97
Master Soap Co.....	7.15
J. McCu.lough.....	.95
McNabb Bros.....	7.76

SCHOOL DEPT.—Continued

Sundries—Continued :

J. J. McManmon.....	10.00
Merk, Mfg. Co.....	16.67
J. T. Mooney.....	82.50
Mdsx. Co. Truant School.....	3,548.24
S. C. Mussey.....	6.00
Jas. Murkland & Son	2.20
John F. Mack.....	46.25
W. B. McKissock	2.35
C. A. Morton.....	5.10
Person Noyes.....	25.00
Phoenix Oil Co.....	28.62
W. J. Murphy.....	13
Pratt & Forrest.....	12.75
Amasa Pratt Co.....	47.22
A. L. Ready & Son.....	10.00
F. E. Reed & Co.....	2.86
G. F. Sturtevant.....	20.66
Simpson & Rowland.....	16.25
Standard Electric Time Co.....	3.00
Swift & Bailey.....	21.00
Taylor & Holden Co.....	7.05
John Scott	1.25
J. A. Shanley.....	27.45
E. H. Sherlock .....	.36
D. T. Sullivan.....	2.00
F. R. Strout.....	1.20
Typewriter Spes. Co.....	5.00
Underwood Typewriter Co	210.00
J. Wibberley	24.20
A. C. Wheelock.....	216.00
Whittet & Co.....	13.00
Chas. Wheeler	2.00
P. W. Whiting.....	50.00
W. H. Wiggin.....	2.29
H. F. Whiting.....	18.12
Wm. Zimmer.....	41.85

8,448.25

SCHOOL DEPT.—Continued

Evening Schools

For Books, Stationery, Printing, etc. :

American Book Co.....	35.80
Baker Ptg. Co.....	20.25
E. E. Babb & Co.....	320.43
Boston Bank Note Co.....	75.00
Buckland Ptg. Co.....	16.50
Butterfield Ptg Co.....	10.75
Courier Citizen Co.....	29.40
Gregg Pub. Co.....	28.38
H. C. Kittredge.....	.50
G. C. Prince & Son.....	2.00
F. A. M. Tobin's Pty.....	15.00

 554.01

Fuel and Lighting :

John Brady.....	3.50
Lowell Gas Lt. Co.....	828.18
Lowell Elec. Lt. Co.....	474.10

 1,305.78

For Plaster, Paints, Oil, etc., Drawing :

C. B. Coburn Co.....	7.05
P. Dempsey & Co.....	2.60
Lowell Machine Shop.....	32.92
Tucke & Parker Co.....	18.42

 60.99

For Lighting :

Lowell Elec. Lt. Corp.....	126.02
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 126.02

For Sundries :

W. T. S. Bartlett.....	1.90
J. C. Bennett.....	1.68
Lowell Bill Posting Co.....	4.00
Middlesex Orchestra.....	27.00
Amasa Pratt Co.....	25.17
Jas. A. Shanley.....	19.00

 78.75

 384,296.49

SCHOOL HOUSES

Labor

Appropriation.....	11,500.00	
Additional Appropriation.....	109.56	
Receipts.....	1,259.64	
	<u> </u>	<u>12,869.30</u>

Expended

For Labor :

To Sundry Persons for Labor.....	12,869.30	
	<u> </u>	<u>12,869.30</u>

Sundries

Appropriation	11,000.00	
Additional Appropriation.....	462.25	
	<u> </u>	<u>11,462.25</u>

Expended

For Electrical Supplies :

H. F. Harding.....	147.85	
C. F. Morse.....	19.47	
M. J. Quinn	3.50	
Tucke & Parker Co.....	117.27	
	<u> </u>	288.09

For Hardware :

Adams Hardware and Paint Co.....	229.94	
Bartlett & Dow.....	60.97	
Boutwell Bros.....	1.85	
E. P. Bryant.....	.50	
Carroll Bros.....	11.88	
C. B. Coburn Co.....	11.65	
H. C. Girard Co.....	36.31	
C. F. Hoisington. & Son.....	17.81	
W. A. Mack Co.....	12.50	
Thompson Hardware Co.....	132.39	
William Zimmer	5.00	
	<u> </u>	520.80

SCHOOL HOUSES—Continued

For Lumber :

Burnham & Davis Lumber Co.....	412.64
Davis & Sargent Lumber Co.....	326.07
Amasa Pratt Co.....	434.17
Pratt & Forrest.....	580.93
Wm. H. Wiggin	240.16

1,993.97

For Plumbing, Pipe, Fittings, etc.:

H. R. Barker Mfg Co	646.06
Carroll Bros.....	362.51
Challenge Tube Cleaner Co.....	3.00
T. Costello & Co.....	177.86
D. Cushing & Co.....	123.43
H. S. Durry.....	130.49
E. F. Farrell.....	121.90
Farrell & Conaton....	520.15
Fuller & Warren Co'	5.15
W. J. Gould....	1.00
J. Harvey & Co.....	15.70
C. F. Hoisington & Son.....	55.62
J. J. Kelly & Co.....	1.50
D. J. Leary.....	485.86
W. A. Mack Co.....	350.44
Middlesex Machine Co.....	288.07
Nichols Foundry Co.....	.55
Scannell Boiler Works.....	474.52
Scott & O'Day.....	878.48
J. W. Stewart.....	171.37
P. F. Welch	23.47
Welch Bros.....	396.54
H. H. Wilder & Co.....	251.73

5,485.40

For Paints, Oils, etc.:

Adams Hardware & Paint Co....	52.97
Milo D. Clay.....	28.00
Cleveland G & C. Co.....	15.94
C. B. Coburn Co	297.85
Dwyer & Co	10.50
Sero Specialty Co.....	3.50

408.76

For Mason Work, Roofing, Plastering, etc.:

J Burns & Son.....	198.83
Chapman & Soden	23.21

SCHOOL HOUSES—Continued

Mason Work, Roofing, Plastering, etc.—Continued:

B. F. Crosby & Co.....	49.03
P. Ginty.....	12.25
Gumb Bros.....	24.00
T. Hennessey.....	145.50
J. Jalbert.....	95.40
P. H. Meehan & Co.....	247.05
J. J. O'Brien.....	311.16
J. A. Simpson.....	15.59
E. A. & A. T. Smith.....	66.80
Samuel E. Snow.....	168.50
Geo. H. Staple.....	45.35
D. T. Sullivan.....	105.60
J. H. Walker.....	178.55
Jas. Walsh & Son.....	13.80
E. A. Wilson & Co.....	22.45

1,723.07

For Sundries:

App. Engineering.....	44.01
“ Water Works.....	13.80
American Seating Co.....	4.55
W. H. Bamford.....	15.50
E. P. Bryant.....	1.50
C. B. Coburn Co.....	68.42
O. P. Davis.....	67.14
Fred A. Fox.....	30.00
J. Gates & Son.....	12.34
Gilbride's.....	7.80
C. M. Holmes.....	68.50
A. B. Humphrey.....	107.85
Keefe Bros.....	.25
A. L. Kittredge & Co.....	6.00
Lowell Coach Co.....	89.73
Lowell Elec. Lt. Corp.....	93.94
Lowell Polish Co.....	1.75
N. Y., N. H. & H. R. R.....	4.80
A. Parsons.....	4.20
Penn. N. S. B. B. Co.....	54.73
A. G. Pollard Co.....	1.10
G. C. Prince & Son.....	6.00
W. E. Rigg.....	50.00

SCHOOL HOUSES—Continued**Sundries—Continued :**

Simpson & Rowland	4.00	
Smith & Lawrence.....	.25	
J. H. Sparks.....	90.90	
Stanley Transportation Co....	5.00	
D. T. Sullivan.....	6.00	
Waverly Hotel.....	9.00	
J. A. Webb & Son.....	117.15	
H. F. Whiting.....	55.95	
	<hr/>	1,042.16
		<hr/>
		11,462.25
		<hr/>

SCHOOL HOUSE REPAIRS

Appropriation	8,100.00	
	<hr/>	8,100.00
		<hr/>

Expended**For Labor :**

To Sundry Persons.....	2,650 26	
	<hr/>	2,650.26

For Paints, Oil, etc. :

C. B. Coburn Co.....	315.34	
Lowell Wall Paper Co.....	565.00	
The Muralo Co....	25.10	
	<hr/>	905.44

For Lumber :

Burnham & Davis Lumber Co.....	100.59	
Davis & Sargent Lumber Co.....	69.00	
Amasa Pratt Co.....	25.75	
Pratt & Forrest	148.20	
	<hr/>	343.54

For Mason Work, Roofing, Plastering, etc. :

P. Conlon	38.40	
M. F. Connor	609 20	
B. F. Crosby & Co.....	860.19	
T. Hennessey	52.30	

SCHOOL HOUSE REPAIRS—Continued**Mason Work, Roofing, Plastering, etc.—Continued :**

P. O'Hearn	107.55
J. A. Simpson	162.00
G. H. Staples	73.75
H. Sutherland	326.47
J. H. Walker	352.65

 2,582.51
For Hardware, Plumbing, Fittings, etc. :

Adams Hardware & Paint Co.	12.05
H. R. Barker Mfg Co.	238.49
Bartlett & Dow	32.32
O. E. Brennan ...	31.36
C. B. Coburn Co.	7.50
J. Harvey & Co.	57.77
W. A. Mack & Co.	520.00
Mdsx. Machine Co.	297.10
Thompson Hardware Co.	20.69

 1,217.28
For Sundries :

American Express Co.	3.20
F. G. Baldwin... ..	247.58
C. B. Coburn Co.	22.51
Keefe Bros.	1.00
A. L. Kittredge & Co.	11.00
Lowell Wall Paper Co.	114.78
N. Y., N. H. & H. R. R.90

 400.97

 8,100.00
LOWELL TEXTILE SCHOOL

Appropriation	8,000.00
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 8,000.00
Expended

To Trustees Lowell Textile School.	8,000.00
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 8,000.00

Schedule I

Libraries and Reading Rooms

11

General Treasury Fund

Appropriations and Expenditures

Library

LIBRARY

Appropriation.....	12,500.00	
	<u> </u>	<u>12,500.00</u>
	Expended	
To Trustees, City Library.....	12,500.00	
	<u> </u>	<u>12,500.00</u>

Schedule I

Recreation -- 12

General Treasury Fund

Appropriations and Expenditures

Park Department

Lenox Street Stable

Athletic Apparatus

Memorial Day

Band Concerts

PARK DEPARTMENT

Labor

Appropriation	8,500.00	
	<u>8,500.00</u>	<u>8,500.00</u>

Expended

Charles A. Whittet, Superintendent.	1,300.00	
To Sundry Persons, for Labor.....	7,145.00	
Whittet & Co., for Sundries	55.00	
	<u>8,500.00</u>	<u>8,500.00</u>

Sundries

Appropriation	3,500.00	
Additional Appropriation.....	277.00	
	<u>3,777.00</u>	<u>3,777.00</u>

Expended

For Stationery, Printing, etc.:

Butterfield Printing Co.....	14.40	
Country Life.....	4.00	
R. J. Haight.....	1.00	
C. I. Hood Co.....	82.56	
G. C. Prince & Son	20.25	
Sampson & Murdock Co.....	3.00	
Suburban Life.....	4.50	
	<u>129.71</u>	<u>129.71</u>

For Hardware, etc.:

App. Water Works.....	1.90	
Adams H. & P. Co.....	.95	
H. R. Barker Mfg Co.....	54.73	
Bartlett & Dow.....	239.88	
J. C. Bennett.....	15.10	
Boutwell Bros.....	134.60	
Carroll Bros.....	3.60	
C. B. Coburn Co.....	4.53	
C. E. Gee....	30.00	
H. C. Girard Co.....	1.50	
Narragansett Machine Co.....	51.75	
N. E. Broom Co.....	6.50	
Ohio Road Mchy. Co.....	75.00	
J. T. Williamson.....	5.10	
	<u>625.17</u>	<u>625.17</u>

PARK DEPT —Continued

For Plants, Shrubs, Trees, Loom, etc.:

Mrs. C. A. Frost.....	123.37	
M. Horlink.....	23.38	
J. J. McManm n.....	6.00	
Harry Parker.....	24.19	
The Dinger & Conard Co.....	7.40	
Whittet & Co.....	553.60	
		<hr/>
		737.94

For Shoeing Horses:

J. J. Donnelly.....	106 85	
Q. A. Foster.....	1.75	
Willett Bros.....	3 18	
J. T. Williamson.....	29.00	
		<hr/>
		140.78

For Hay, Grain, etc :

E. E. Cole.....	66.24	
J. B. Cover & Co.....	3.75	
G. M. Foster.....	47.21	
Fred A. Fox.....	149.32	
Livingston Grain Co.....	40.25	
Michael Maguire.....	47.64	
Joseph Mullin.....	178 65	
H. E. Noyes & Son.....	33.47	
G. W. Parker.....	61.26	
G. W. Trull.....	173.00	
Paul Vigeant & Co.....	100 16	
O. D. Wilder.....	41 42	
C. J. Wilson.....	38.10	
		<hr/>
		980.47

For Water and Lighting:

App. Water Works.....	11 72	
Lowell Elec. Lt. Corp.....	27 09	
Lowell Gas Lt. Co.....	.18	
		<hr/>
		38.99

For Carriages, Harnesses and Repairs:

Donovan Harn ss Co.....	55 35	
O'Dowd & Preston.....	32.00	
J. T. Williamson.....	36.45	
		<hr/>
		123.80

PARK DEPT.—Continued

For Express, Transportation, etc. :

Am. Ex. Co.....	3.45
B. & M. R. R.....	3.58
Man. & Con. Ex. Co .....	.75
N. Y. & B. D. Ex. Co	2.70

 10.48

For Sundries :

Ames Plow Co	21.00
J. C. Bennett.....	4.54
F. M. Bill & Co.....	1.26
B. & N. St. Ry.....	150.00
Burnham & Davis Lumber Co.....	109.58
Edward Cawley.....	11.18
Charters & Commions.....	2.00
C. B. Coburn Co.....	20 67
C. G. Coburn.....	24.69
Davis & Sargent Lumber Co....	20.54
Doubleday Page & Co.....	1.00
C. A. Hamblett.....	2.00
B. M. Hutchins.....	15 00
G. E. Hutchins.....	5.50
R. J. Lang & Co.....	.20
Props. Locks & Canals.....	10.00
Lowell Gas Lt. Co	2 00
G. F. Mansfield.....	275.00
G. W. McIntire.....	56.25
C. F. Morse.....	2.25
J. Mullin.....	4.95
N. E. T. & T. Co.....	.54
Pratt & Forrest.....	152.25
J. Peabody.....	30.96
Alfred Skinner.....	1 00
J. H. Sparks.....	13.00
Staples Bros.....	3.00
D. T. Sullivan.....	4 85
C. A. Whittet.....	2 70
E. A. Wilson & Co.....	15.75
Louis Young.....	26 00

 989.66

 3,777.00

LENOX STREET STABLE

Appropriation	6,000.00	
	<u> </u>	<u>6,000.00</u>

Expended

To Boston and Northern St. Ry. Co.....	6,000.00	
	<u> </u>	<u>6,000.00</u>

ATHLETIC APPARATUS

Balance Jan. 1, 1907.....	217.50	
	<u> </u>	<u>217.50</u>

Expended

To Narragansett Machine Co.....	217.50	
	<u> </u>	<u>217.50</u>

MEMORIAL DAY, G. A. R.

Appropriation	1,000.00	
	<u> </u>	<u>1,000.00</u>

Expended**For Printing, etc. :**

Shaw Stocking Co.....	7.75	
F. A. M. Tobin's Pty.....	7.00	
Union Ptg. Co.....	3.75	
	<u> </u>	<u>18.50</u>

For Music :

American Band.....	75.00	
J. Avison Baker.....	40.00	
Municipal Band	75.00	
	<u> </u>	<u>190.00</u>

For Carriage Hire and Transportation :

B. & N. St Ry.....	34.00	
J. B. Clancy	4.00	
O. P. Davis	60.00	
E. E. Stoughton.....	2.00	
	<u> </u>	<u>100.00</u>

MEMORIAL DAY, G. A. R.—Continued**For Sundries :**

F. W. Cragin & Co.....	13 10	
C. H. Kimball & Co....	20.50	
Lowell Cemetery.....	3.00	
Chas. L. Marshall	107.59	
Masten & Wells F. W. Mfg Co.....	30.00	
Page Catering Co....	157.50	
F. B. Peabody.....	26.58	
Pevey Bros.....	85.00	
Post 42	65.04	
Post 120.....	69 54	
Post 185.....	70.02	
G. E. Worthen.....	3.63	
C. F. Young & Co.....	40.00	
		<u>691.50.</u>
		<u>1,000.00</u>

MEMORIAL DAY, L. W. V.

Appropriation.....	200 00	
		<u>200.00</u>

Expended**For Printing :**

Baker Printing Co.....	6.25	
		<u>6.25</u>

For Music :

Delphi Male Quartet.....	16.00	
National Band.....	72.00	
		<u>88.00</u>

For Transportation :

Mark Bentley	11.00	
Lowell Coach Co.....	12.00	
		<u>23.00</u>

For Sundries :

J. A. Evans	38.00	
J. J. McManmon	31.20	
E. E. Nowlan	13 55	
		<u>82.75</u>
		<u>200.00</u>

BAND CONCERTS

Appropriation	700.00	
	<hr/>	700 00
		<hr/>
Expended		
For Music :		
American Band	112.50	
Lowell Military Band	125.00	
Lowell Cadet Band.....	125 00	
Municipal Band... ..	125.00	
National Band.....	125.00	
	<hr/>	612.50
For Sundries:		
Tucke & Parker Co.....	20.00	
Welch Bros.....	12 00	
	<hr/>	32.00
		<hr/>
		644.50
Returned to General Treasury Fund....		55.50
		<hr/>
		700.00
		<hr/>

Schedule I

Interest -- 13

General Treasury Fund

Appropriations and Expenditures

Interest

INTEREST

Appropriation.....	135,000.00	
Additional Appropriation	10,733 80	
	<u> </u>	<u>145,733 80</u>

Expended

Bond & Goodwin.....	14,306.67
Boston Five Cent Savings Bank	2,500.00
Bowery Savings Bank.....	6,000 00
Bristol Savings Bank	625.00
Cape Cod Savings Bank.....	625.00
Central Savings Bank.....	2,192 03
City Institution for Savings.....	568.00
Com of Mass.....	957.00
Coms. of Sinking Funds.....	175.00
Franklin Savings Bank.....	625.00
Institution for Savings, Roxbury.....	1,875.00
Leominster Savings Bank.....	40 00
Emma W. Lewis.....	80.00
Lowell Five Cent Savings Bank.....	41.60
Lowell Institution for Savings.....	40,954.58
Lowell Trust Co.....	625.00
Medway Savings Bank.....	250.00
Middleborough Savings Bank.....	250.00
Ministry at Large.....	600 00
Jacob Nathan.....	40.00
John Nathan	40.00
N. Y. Savings Bank.....	2,000 00
Newton Savings Bank.....	1,250.00
People's Savings Bank.....	1,200.00
Providence Institution for Savings	3,250.00
Salem Savings Bank.....	210.00
Schenectady Savings Bank	2,160.00
Seaman's Bank for Savings.....	150.00
Sundry Persons.....	26,225 00
Trustees Pub. Burial Grounds	1,908.52
Trustees Est. Thos. Nesmith.....	1,500.00
Treasurer High St. Church.....	60.00
Union Mutual Life Ins. Co.....	852.00
Uxbridge Savings Bank	375.00
Washington Savings Bank.....	4,799.40

INTEREST—Continued

Mary Watts.....	80.00	
Est. Samuel Watts.....	40.00	
Westborough Savings Bank	250.00	
Weymouth Savings Band.....	625.00	
Willey Savings Bank.....	625.00	
Woburn Five Cent Savings Bank.	180.00	
Woronoco Savings Bank.....	625.00	
Sundry Persons for Bonds.....	24,000.00	
	<hr/>	<hr/>
		145,733.80

Schedule I

Unclassified -- 14

General Treasury Fund

Appropriations and Expenditures

Memorial Stone, Provincetown

MEMORIAL STONE AT PROVINCETOWN

Appropriation.....	50.00	
	<hr/>	50.00

Expended

Cavanaugh Bros. Co....	45.00	
Returned to General Treasury Fund.....	5.00	
		<hr/> 50.00

Schedule I

Public Indebtedness -- 15

General Treasury Fund

Appropriations and Expenditures

Temporary Loans

City Debt

TEMPORARY LOANS

Balance Jan. 1, 1907.....	800,000.00	
Receipts.....	1,300,000.00	<u>2,100,000.00</u>

Expended

First National Bank, Boston	500,000.00	
Sundry Persons	800,000.00	
	<u>1,300,000.00</u>	
Balance to 1908.....		<u>800,000.00</u>
		<u>2,100,000.00</u>

CITY DEBT

Appropriation	272,582.90	
Received from App. for Water Works ..	19 300.00	
	<u>291,882.90</u>	

Expended

Central Savings Bank	15,120.00	
City Institution for Savings.....	7,100.00	
Commissioners of Sinking Funds.....	2,500.00	
Commonwealth of Mass.....	5,750.00	
Emma W. Lewis	1,000.00	
Leominster Savings Bank.....	1,000.00	
Lowell Five Cent Savings Bank....	520.00	
Lowell Institution for Savings.....	208,124.90	
Roundout Savings Bank	7,500.00	
Salem Savings Bank	1,500.00	
Schenectady Savings Bank	13,500.00	
Seaman's Bank for Savings	7,500.00	
Washington Savings Institution	19,768.00	
Mary J. Watts.....	1,000.00	
	<u>291,882.90</u>	

Schedule I

Sinking Funds -- 16

General Treasury Fund

Appropriations and Expenditures

Sinking Funds

SINKING FUNDS

Appropriation.....	32,300.00	
	<hr/>	<hr/>
		32,300.00

Expended

Water Loan Sinking Fund.....	16,000.00	
High School Sinking Fund	3,000.00	
New School Houses Sinking Fund	4,000.00	
High Service Sinking Fund.....	1,800.00	
City Hall and Memorial Bldgs Sinking Fund	7,500.00	
	<hr/>	<hr/>
		32,300.00

Schedule I

Municipal Industries -- 17

General Treasury Fund

Appropriations and Expenditures

Water Works

Water Works—Tewksbury Extension

Water Works—New Pump

City Weigher

WATER WORKS

Balance Jan. 1, 1907.....	25,101.61	
Receipts.....	220,842.64	
	<hr/>	245,944.25

Expended

For Salaries, Water Board :

Robert J. Crowley.....	400.00	
Frank L. Weaver	400.00	
Isaac E. Wolton.....	400.00	
J. G. Hill.....	400.00	
	<hr/>	1,600.00

For Salaries and Labor :

Robert J. Thomas, Supt.....	1,800.00	
John W. Crawford	1,600 00	
Sundry Persons.....	83,845.03	
	<hr/>	87,245 03

App. for City Debt (Installment on Notes)	19,300.00	
	<hr/>	19,300.00

For Interest :

Com. of Mass.....	800 00	
Lowell Institution for Savings.....	1,277.75	
Roundout Savings Bank.....	1,200.00	
Sundry Persons (Coupons).....	42,960.00	
	<hr/>	46,237.75

For Refunds, Sundry Persons.....	603 90	
	<hr/>	603.90

For Hardware, etc. :

American F. & M. Co.....	40 00
Adams H. & P. Co.....	74.22
American Tool Mch. Co.....	431.08
Ames Iron Wks.....	10.50
H. R. Barker Mfg. Co.....	350.55
Bartlett & Dow.....	99.80
H. L. Bond Co	46.00
Braman, Dow Co.....	18.42
Boston Engineering Co.....	123.40
Boston Eng. Sup. Co.....	128 32
Boutwell Bros.....	1,032.42
Barnes Elec. Co.....	46.46
Boston Elec. Co.....	3 00

WATER WORKS—Continued

Hardware, etc.—Continued:

Builders' Iron Foundry.....	1,204.71
Cutter Wood & Stevens Co.....	9.00
John C. Bennett .. .	2.05
Central Fdy. Co.....	.60
W. W. Carey.....	15.22
Cancos Mfg. Co	36.50
Coffin Valve Co.....	154.10
Est. Chas. Carr.....	6.50
Carroll Bros.....	215.72
W. R. Conrad.....	134.50
Chapman Valve Mfg. Co	14.32
T. Costello & Co.....	42.00
C. B. Coburn Co.....	77.07
A. W. Chesterton & Co.....	19.59
Cheney & Thomson.....	8.00
H. S. Drury.....	246.73
Dodge-Haley Co	10.30
Chadwick Boston Lead Co.....	8.95
Eaton, Cole & Burnham Co	25.90
Deane Steam Pump Co.	77.91
Farrell & Conaton....	136.08
W. & B. Douglass.....	5.40
M. J. Drummond & Co.....	566.29
G. W. Fifield.....	12.40
H. C. Girard Co.....	100.11
F. A. Evans.....	123.30
Eddy Valve Co.....	85.30
B. Hoffman Mfg. Co.....	25.60
Hersey Mfg. Co.....	3,448.56
A. P. Knapp.....	71.18
Jones Gange Co	10.30
Jenkins Bros.....	32.00
Knowles Steam Pump Wks.....	23.85
C. M. Kemp Mfg. Co.....	6.50
Lead Lined Iron Pipe Co.....	5,938.79
Lock Regulator Co.....	9.82
Locks & Canals Co.....	22.14
Lowell Wrench Co... ..	16.20
Lowell Construction Co.....	15.00
Lowell Mch. Shop	1.90

WATER WORKS—Continued

Hardware, etc.—Continued:

Ludlow Valve Mfg. Co	1,641 25
Lynchburg Fdy. Co.	9,033.53
Middlesex Mch. Co.	267.33
Stephen McClellan.	9.50
C. F. Morse	5.66
W. A. Mack & Co	599.54
Walter Macleod & Co.	100 00
H. Mueller Mfg. Co.	242.50
National Meter Co.	3,252.85
Neptune Meter Co.	86.90
A. F. Nichols	5.93
Nichols Foundry Co.	210.49
Otis Elevator Co.	37.23
F. S. Perkins Co	6.25
Perrin, Seamans & Co.	50.48
Pittsburg Meter Co. . . . .	.56
M. J. Quinn.	23.00
W. C. Robinson & Son Co.	27.50
A. L. Ready & Son	4.85
Rensellace Mfg Co.	703.94
Richardson & Clement.	23.75
A. P. Smith Mfg. Co	234.37
Scannell Boiler Wks.	286.74
W. A. Snow Iron Wks.	7.55
Thompson Hardw. Co.	80.06
Thomson Meter Co.	391.41
Tucke & Parker.	89.80
The Woods-Sherwood Co.	2.00
The Fairbanks Co.	221.95
Starr Brass Mfg. Co.	24 50
Smith & Lawrence.	1.00
Staples Bros. Co.	75 00
Union Iron Foundry	3.82
Union Water Meter Co.	315.55
Walworth Mfg Co.	16.90
Welch Bros.	34.98
A. Wolff Co.	45.72
H. R. Worthington	481.66
Water Works Equipment Co.	54.66
R. D. Wood & Co.	21.10

 34,087.37

WATER WORKS—Continued

For Fuel :

Edward Cawley	1,492.11	
Horne Coal Co.....	30.25	
D. T. Sullivan	5,594.97	
E. A. Wilson & Co.....	16,378.46	
		<hr/>
		23,495.79

For Carriages, Harnesses, etc. :

A. H. Cluer	79.40	
Crown Harness Oil Co.....	2.00	
Donovan Harness Co.....	179.11	
C. H. Hanson Co.....	80.00	
F. B. Hill & Co.....	109.90	
H. J. O'Dowd	2.00	
Sawyer Carriage Co.....	175.00	
J. H. Sparks.....	4.80	
		<hr/>
		632.21

For Brick, Cement, etc. :

Edward Cawley	77.20	
P. Conlon	1,300.00	
Horne Coal Co.....	11.00	
Lowell Mach. Shop	6.78	
E. A. & A. T. Smith	113.44	
Staples Bros. Co.....	376.80	
D. T. Sullivan	14.00	
J. Walsh & Son	4.73	
E. A. Wilson & Co.....	818.03	
		<hr/>
		2,721.98

For Lumber :

Burnham & Davis L. Co.....	132.58	
Davis & Sargent L. Co.....	90.90	
Amasa Pratt Co.....	342.10	
Pratt & Forrest	169.55	
W. H. Wiggin	87.84	
		<hr/>
		822.97

For Lighting and Telephone :

Lowell Gas Lt. Co	17.28	
N. E. T. & T. Co.....	96.07	
W. U. Tel. Co.....	.40	
		<hr/>
		113.75

WATER WORKS—Continued

For Hay, Grain, etc. :

Ame & Co.....	25 00
G. M. Foster	34.60
T. J. McDonald	52.89
H. E. Noyes & Son.....	23.00
O. D. Wilder	577 01

712.50

For Transportation, etc. :

Ame Ex. Co.....	42.13
B. & M. R. R.....	750 52
G. F. Fall	37.00
E. Duren	434.63
C. H. Hanson & Co....	70 00
Hill Transfer Co.....	115.89
J. G. Hill.....	10.00
Thos. Holland.....	5 05
Lowell Coach Co.....	28 00
Man. & Con. Ex. Co....	5.70
N. Y. & B. D. Ex. Co....	14.30
N. Y., N. H. & H. R. R.....	1,408.82
R. J. Thomas.....	160 64

3,082.68

For Stationery, Printing, etc.:

Banker & Tradesman	5.00
Butterfield Printing Co.....	5.25
Courier-Citizen Co.....	139.49
Franklin Press.....	5 00
Dumas & Co.....	213.60
Engineering News	5 00
H. C. Kittredge	1.50
Fire and Water Engineering	3.00
Lepine & Co.....	7.00
T. H. Lawler	8.25
Library Bureau	26 10
Lawler Printing Co.....	167.70
Lowell Daily Mail	22.51
Lowell Sun	34.00
L'Etoile Co	9.80
Municipal Journal	3 00
Remington Typewriter Co.....	94.75
G. C. Prince & Son.....	69.90

WATER WORKS—Continued

Stationery, Printing, etc.—Continued :

F. A. M. Tobin's Printery	6.25
L. J. Richards & Co.....	25.00
C. E. Robinson	71.75
Sunday Telegram	4.35
Sampson & Murdock Co.....	9.00
M. G. Wight & Co.....	31.25
Union Printing Co.....	20.25

 988.70

For Paints, Oils, Packings, etc. :

Adams H. & P. Co.....	48 70
Boston Eng. Sup. Co....	215.12
C. B. Coburn Co.....	434.81
Sylvester Bean.....	48.07
Cancos Mfg Co.....	33.44
Eagle Oil Sup. Co.....	135.39
Federal Metallic Pack. Co....	27.38
Garlock Packing Co.....	40.50
Greenwood Mfg & Sup. Co.....	95.64
Hart Packing Co.....	2.70
Lowell Waste Co.....	76.77
W. W. Morrison.....	30.00
Philadelphia Grease Co.....	14 50
W. C. Robinson & Sons	52.00
Sennet Solway Co.....	39.10
Smith & Lawrence.....	7.50
Talbot D. & C. Co.....	1.24
Valvoline Oil Co.....	462.76

 1,765.62

For Sundries:

App. Engineering	902.04
Sewer Maintenance.....	34.76
Public Bldgs....	31.96
Streets, Sund.....	200.13
G. F. Allen .....	.25
R. R. Armitstead....	9.60
Bay State Lamp Co.....	16.60
F. M. Bill & Co.....	24.00
F. G. Baldwin.....	4.10
Adams & Co.....	1.25
J. J. Cluin Co.....	6.50

WATER WORKS—Continued

Sundries--Continued :

C. B. Coburn Co.....	340.29
W. R. Conrad	159.30
Conrad & Lovering.....	65.80
J. Coughlin	33.00
J. W. Crawford	19.00
Cross Awning Co.....	2 00
J. J. Donnelly	33.30
Davis & Sargent L. Co.....	13.05
C. Desmond.....	5.00
D. Gage.....	13.47
The Forge.....	1.00
Greenwood Bros.....	32.75
G. F. Fall	5.00
F. E. Fitts' Mfg & S. Co.....	20.82
J. A. Gregoire	1.00
M. J. Haggerty	6 05
Ruth B. Henry.....	16.00
Gookin Furniture Co.....	12.00
Greenwood Bros.....	2.50
C A. Hamblett.....	2.00
R. J. Lang & Co.....	1.05
Locks and Canals.....	41.89
T. C. Lee & Co.....	90.00
G. F. Mansfield.....	116.99
J. Murkland & Son.....	92.05
H. C. McOsker.....	39.48
T. J. McDonald.....	11.15
J. J. McCann.....	1.90
N. G. Norcross	146.90
Morse & Beals.....	27.75
J. F. Martin.....	24.00
Morse & Sparks	2.90
Maurice J. O'Connor.....	36.00
A. Parsons.....	.80
O'Sullivan Bros. Co.....	35.00
Provencher & Lovering	37.50
W. H. Penn.....	142.00
Rice & Co.....	18.50
Henry Reynolds.....	21.25
G. G. Read.....	11 00
Robertson & Co.....	16.00

WATER WORKS—Continued**Sundries—Continued :**

Richardson Hotel.....	24.00	
S. A. Shattuck.....	35.30	
A. H. Sanborne & Co.....	.50	
Shaw Stocking Co.....	15.40	
J. H. Sparks.....	46.75	
Sunlight Boat House.....	3.60	
Talbot D. & C. Co.....	11.18	
Staples Bros. Co.....	166 45	
S. A. Smith.....	8.50	
T. A. D. Sullivan & Co.....	.75	
Vacancy List.....	257.20	
Wakefield Rattan Co.....	1.40	
W. H. Ward.....	3.80	
J. P. Webber Co.....	95.47	
Whittet & Co.....	171.76	
J. T. Williamson	1.70	
H. F. Whiting.....	16.24	
S. A. Wotton.....	150.00	
D. Ziskind.....	29.45	
	<hr/>	3,968.08
Total Expenditure for 1907.....		227,378.33
Transferred to App. W. W. New Pump .		2,171.02
		<hr/>
		229,549.35
Balance to 1908.....		16,394 90
		<hr/>
		245,944.25
		<hr/>

TEWKSBURY EXTENSION

Balance Jan. 1, 1907.....	17,350.94	
	<hr/>	17,350.94
		<hr/>
	Expended	
For Labor :		
To Sundry Persons.....	8,442.31	
	<hr/>	8,332.32
		<hr/>

Tewksbury Extension—Continued

For Hardware, Fittings, etc.:

H. L. Bond Co	43.00	
Boutwell Bros.....	122 61	
Donaldson Iron Co.....	1,565.72	
Lynchburg Foundry Co.....	4,807.56	
Perrin, Seamans & Co.....	3.38	
	<u> </u>	6,542.27

For Sundries:

W. R. Conrad.....	15.89	
E. Duren.....	74.25	
	<u> </u>	90.14

Balance to 1908.....

15,074.722,276 2217,350.94**NEW PUMP**

Receipts..... 2,171 02

2 171.02**Expended**

For Labor:

To Sundry Persons.....	1,493.86	
	<u> </u>	1,493.86

For Sundries:

App. Water Works.....	134.50	
H. R. Barker Mfg. Co.....	25.99	
Builders' Iron Foundry.....	70.94	
E. Cawley.....	41.70	
P. Conlon.....	351.00	
G. S. Fall.....	25.00	
Lowell Weaving Co.....	6.38	
Middlesex Machine Co.....	2.02	
A. L. Ready & Son.....	19.63	
	<u> </u>	677.16

2,171.02

CITY WEAHER'S DEPARTMENT**Salary**

Appropriation	800.00	
	<u> </u>	<u>800.00</u>

Expended

George F. Noonan, City Weigher.....	800.00	
	<u> </u>	<u>800.00</u>

Sundries

Appropriation.....	10.00	
Additional Appropriation.....	.25	
	<u> </u>	<u>10.25</u>

Expended

For Stationery, Printing, etc. :		
Courier-Citizen Co.....	2.50	
T. H. Lawler	1.25	
Osmond Long.....	6.50	
	<u> </u>	<u>10.25</u>

Schedule I

Public Cemeteries -- 18

General Treasury Fund

Appropriations and Expenditures

Cemeteries

CITY CEMETERIES

Appropriation	4,000.00	
Additional Appropriation	4,175.00	
		<u>8,175.00</u>

Expended

For Salaries and Labor :

John G. Jackson	361.59	
S. S. Mayberry	802.06	
Sundry Persons	4,218.36	
		<u>5,382.01</u>

For Express, Telephone and Water :

App. for Water Works	88.87	
American Express Co.....	.55	
N. E. T. & T. Co.....	2.97	
		<u>92.39</u>

For Stationery, Printing, etc.:

Baker Printing Co.....	126.00	
Buckland Printing Co.....	17.00	
H. C. Kittredge	2.25	
Library Bureau	111.55	
G. C. Prince & Son	31.15	
Sampson & Murdock Co.....	3.00	
		<u>290.95</u>

For Plants, Manure, Loam, Sod, etc.:

A. A. Brown	18.00	
P. Burke	138.60	
G. R. Dean	9.00	
Frank Fay.....	7 00	
H. M. Fox	5.00	
J. S. Haynes.....	35.00	
Sarah Kappler.....	123 00	
Lowell Fertilizer Co.....	59.00	
Joseph Mullin	50.00	
J. F. Mahoney.....	14.00	
J. J. McManmon.....	14.63	
M. R. Pihl.....	10 00	
J. P. Quinn.....	21.00	
J. Sullivan.....	8 50	
Silas Welch	6.00	
Whittet & Co.....	195.00	
		<u>713 73</u>

CITY CEMETERIES—Continued

For Shoeing, Carriages, Harnesses and Repairs :

R. Barris	13.75	
P. J. Boland	3.43	
O. J. Carney & Co.....	44.50	
Donovan Harness Co.....	37.05	
M. J. Haggerty.....	5.75	
F. B. Hill & Co.	81.40	
G. W. McElroy.....	11.60	
A. D. Mitten	20.00	
Morse & Blakely.....	2.40	
Morse & Sparks	10.70	
		<hr/>
		230.58

For Fuel, Cement, etc. :

Edward Cawley	54.47	
D. T. Sullivan	9.35	
		<hr/>
		63.82

For Hay, Grain, etc. :

J. B. Cover & Co.....	39.81	
G. M. Foster	29.58	
Livingston Grain Co.....	5.87	
J. Mullin	35.01	
O. D. Wilder	164.00	
		<hr/>
		274.27

For Hardware, Pipe, Fittings, etc. :

Adams H. & P. Co.....	33.91	
Bartlett & Dow.....	43.72	
H. R. Barker Mfg Co.....	6.45	
Boutwell Bros.....	3.64	
Cheney & Thompson.....	47.33	
C. B. Coburn Co.....	14.30	
Middlesex Machine Co.....	55.66	
Pevey Bros.....	8.35	
C. N. Rice & Son	2.85	
		<hr/>
		216.21

For Sundries :

App. Auditor, Sundries	10.00	
Engineering	98.83	
Adams H. & P. Co....	41.00	
American Express Co.....	.35	
Bon Marche Dry Goods Co.....	.25	
M. Calnan.....	.50	

CITY CEMETERIES—Continued

Sundries—Continued :

C. B. Coburn Co.....	81.16
T. F. Cuff.....	9.00
Davis & Sargent Lumber Co....	17.50
C. P. Devine	2.50
C. E. Gee	5.15
H. L. Gonzales.....	2.35
V. S. Jaques.....	.45
R. J. Lang & Co.	1.95
Lowell Coach Co.....	2.50
C. E. Munn.....	1.50
W. J. Murphy.....	.50
Pratt & Forrest	319.47
J. P. Quinn.....	15.00
Shaw Stocking Co.....	1.80
Simpson & Rowland	4.60
C. L. Smith	79.00
Smith-Premier Typewriter Co.....	5.00
William H. Wiggin.....	209.41

 909.77

 8,173.73

Returned to General Treasury Fund.....

 1.27

 8,175.00

Schedule J

Special Funds

Appropriated from the General Treasury Fund and Balances
held by the Treasurer for Specific Purposes

Building Fund

Huntington Hall Contingent Fund

Carney Medal Fund

Fire Department—Underground Wires

New Steam Fire Engine

New Centralville Fire House

Greenhalge Portrait

Grade Crossings

Paving Central Street

New Highland School

City Hospital Sheds

BUILDING FUND

Balance Jan. 1, 1907	49,708.00	
	<u> </u>	<u>49,708.00</u>
Balance to 1908	49,708.00	
	<u> </u>	<u>49,708.00</u>

HUNTINGTON HALL CONTINGENT FUND

Balance Jan. 1, 1907	291 00	
	<u> </u>	<u>291.00</u>
Balance Dec. 31, 1907.....	291.00	
	<u> </u>	<u>291.00</u>

CARNEY MEDAL FUND

Balance Jan. 1, 1907.....	200.00	
	<u> </u>	<u>200.00</u>
Balance Dec. 31, 1907	200 00	
	<u> </u>	<u>200.00</u>

FIRE DEPARTMENT—UNDERGROUND WIRES

Balance Jan. 1, 1907.....	308.91	
	<u> </u>	<u>308.91</u>
Expended		
Gamewell Fire Alarm Telegraph Co.	64.00	
N. E. T. & T. Co.....	31.11	
	<u> </u>	<u>95.11</u>
Balance to Jan. 1, 1908.....		213.80
		<u>308 91</u>

NEW STEAM FIRE ENGINE

Appropriation	5,500.00	
	<u> </u>	<u>5,500 00</u>
Balance to 1908	5,500.00	
	<u> </u>	<u>15,500.00</u>

NEW CENTRALVILLE FIRE HOUSE

Appropriation.....	36,000.00	
	<u> </u>	36,000.00
Balance to 1908	36,000.00	
	<u> </u>	<u>36,000.00</u>

GREENHALGE PORTRAIT

Balance Jan. 1, 1907.....	300.00	
	<u> </u>	300 00
Balance Dec. 31, 1907.....	300 00	
	<u> </u>	<u>300.00</u>

GRADE CROSSINGS

Appropriation	1,000.00	
Receipts	3.60	
	<u> </u>	1,003.60

Expended

App. Engineering	279.60	
Law Sundries	3.60	
Courier-Citizen Co.....	25.00	
Middlesex County	1.00	
N. E. T. & T. Co.....	.88	
J. H. Sparks.....	12.00	
	<u> </u>	322.08
Balance to Jan. 1, 1908.....		681.52
		<u>1,003.60</u>

PAVING CENTRAL STREET

Appropriation.....	9,500.00	
	<u> </u>	9,500.00

Expended

For Labor :		
To Sundry Persons.....	3,291.65	
	<u> </u>	3,291.65

PAVING CENTRAL STREET—Continued

For Stone, Cement, etc.:

Edward Cawley	7.41	
H. E. Fletcher & Co.....	2,490.24	
Mass. Broken Stone Co.....	184.81	
	<u> </u>	2,682.46

For Teaming, Transportation, etc.:

B. & M. R. R.....	169.97	
George F. Fall	15.00	
	<u> </u>	184.97

For Sundries:

App. Engineering	108.36	
Sewer Construction	46.77	
Streets.....	1,497.29	
C. B. Coburn Co.....	7.90	
Cross Awning Co.....	35.00	
	<u> </u>	1,695.32
		<u> </u>
		7,854.40
Balance to 1908....		1,645.60
		<u> </u>
		9,500.00

NEW HIGHLAND SCHOOL

Appropriation	75,000.00	
	<u> </u>	75,000.00
Balance to 1908. . .	75,000.00	
	<u> </u>	75,000.00

CITY HOSPITAL SHEDS

Appropriation	3,500.00	
	<u> </u>	3,500.00

Expended

For Labor:

To Sundry Persons.....	281.97	
	<u> </u>	281.97

CITY HOSPITAL SHEDS—Continued

For Lumber :

Burnham & Davis Lumber Co	1,095.31	
A. Pratt Co	280.05	
Pratt & Forrest	244.77	
	<u> </u>	1,620.13

For Hardware, etc.:

H. C. Girard Co.....	29.40	
Thompson Hardware Co....	1.63	
	<u> </u>	31.03

Balance to 1908

<u>1,933.13</u>
<u>1,566.87</u>
<u>3,500.00</u>

GENERAL INFORMATION

Schedule A-A

City Debt

Limit of Indebtedness

Payments of Loans and Interest

City Debt

Ordinary City Debt, Jan. 1, 1907.....	\$2,371,931 20	
Borrowed during the year 1907	365,500 00	
Total.....	2,737,431 20	
Paid during the year 1907	272,582 90	
Total Ordinary City Debt. Dec. 31, 1907 .		2,464,848 30
Water Debt, Jan. 1, 1907	1,156,100 00	
Paid during the year 1907.	19,300 00	
Total Water Debt, Dec. 31, 1907.....		1,136,800 00
Total City Debt, Dec. 31, 1907.....		<u>3,601,648 30</u>
Ordinary City Debt, Dec. 31, 1907	2,464,848 30	
Sinking Funds for payment of same.....	317 715 86	
Net Ordinary City Debt, Dec. 31, 1907...		2,147,132 44
Water Debt, Dec. 31, 1907	1,136,800 00	
Sinking Fund for payment of same	510,678 93	
Net Water Debt, Dec. 31, 1907.....		626,121 07
Total Net Debt, Dec. 31, 1907.....		<u>2,773,253 51</u>
Total Net Debt, Dec. 31, 1907.....	2,773,253 51	
Total Net Debt, Dec. 31, 1906.....	2,763,105 53	
Increase in City Debt during 1907	10,147,98	
Net Ordinary City Debt, Dec. 31, 1907 ..	2,147,132 44	
Net Ordinary City Debt, Dec. 31, 1906 ...	2,080,914 28	
Increase in Net Ordinary Debt.....		<u>66,218 16</u>

Limit of Indebtedness

Total City Debt, Dec. 31, 1907.....	3,601,648 30	
Deduct Water Loans....	\$1,136,800 00	
Deduct Exemption by Legislature	800,000 00	1,936,800 00
City Debt as it relates to limit of indebted- ness.....		<u>1,664,848 30</u>
Limit of Municipal Debt for 1907, $2\frac{1}{2}\%$ of average valuation for last three years, \$73,508,955 00.....	1,837,723 88	
City Debt which relates to limit Dec. 31, 1907.....	<u>1,664,848 30</u>	
Distance from limit Dec. 31, 1907.....		172,875 58
Distance from limit Dec. 31, 1906		<u>235,730 50</u>
Decrease of distance from limit		<u>62,854 92</u>
Amount of City Debt due in 1908.....		<u>294,222 90</u>



Amount Due from the City on Ordinary City Debt 1908

Loan Payable To	Date Made	Due	Present Amount of Loan	Am't of Annual payment due 1908	Rate	Amount of Interest due payable in January-July
Sundry persons (bonds)	July 1, 1896	1926	\$200,000		4	\$8,000.00
City Institution for Savings	July 9, 1898	1908	3,500	\$ 3,500	4	140.00
Central Savings Bank	July 11, 1899	1909	2,400	1,200	4	96.00
Lowell Institution for Savings	July 27, 1901	1911	23,800	5,850	3 1/4	773.50
Central Savings Bank	July 14, 1902	1912	2,500	500	3 1/4	81.25
Bond & Goodwin Company	July 1, 1903	1913	81,000	13,509	4	3,240.00
Central Savings Bank	July 9, 1906	1916	9,000	1,500	3 1/2	315.00
Washington Institution for Savings	July 20, 1906	1916	28,494	3,166	4 1/4	1,111.00
February-August						
Commissioners of Sinking Funds	Aug. 6, 1898	1908	2,500	2,500	3 1/2	87.50
Lowell Five Cent Savings Bank	Aug. 15, 1898	1908	520	520	4	20.80
Lowell Institution for Savings	Aug. 9, 1899	1909	6,000	3,000	3 1/8	187.50
Lowell Institution for Savings	Aug. 9, 1899	1909	5,900	2,950	3 1/8	184.37
Washington Institution for Savings	Feb. 1, 1900	1910	1,800	600	3 1/2	52.50
Central Savings Bank	Aug. 6, 1900	1910	9,000	3,000	4	360.00
Washington Institution for Savings	Aug. 19, 1901	1911	6,000	1,500	3 3-10	198.00

Lowell Institution for Savings.....	Aug. 19, 1901	1911	\$22,000	\$5,500	3 3-10	726 00
Lowell Institution for Savings.....	Aug. 9, 1904	1914	55,300	7,900	3 ⁵ / ₈	2,004 62
Lowell Institution for Savings.....	Aug. 7, 1906	1916	27,000	3,000	4 ¹ / ₄	1,147.50
Washington Institution for Savings.....	Aug. 7, 1906	1916	13,770	1,530	4 ¹ / ₄	585.23
Bond & Goodwin Company	Aug. 1, 1907	1917	25,000	2,500	4 ¹ / ₂	1,125 00
Bond & Goodwin Company	Aug. 1, 1907	1917	12,500	1,250	4 ¹ / ₂	562.50
Bond & Goodwin Company	Aug. 1, 1907	1917	9,500	950	4 ¹ / ₂	427 50
Bond & Goodwin Company	Aug. 10, 1907	1917	25,000	2,500	4 ¹ / ₂	1,125.00
Bond & Goodwin Company	Aug. 24, 1907	1917	5,500	550	4 ¹ / ₂	247.50
March-September						
Bequest of Thomas Nesmith.....	Mar. 6, 1871		25,000		6	1,500.00
Lowell Five Cent Savings Bank.....	Sept 22, 1898	1908	3,000	3,000	4	120.00
Lowell Institution for Savings.....	Mar. 7, 1899	1909	7,000	3,500	3 ¹ / ₈	164.06
Lowell Institution for Savings.....	Sept. 15, 1899	1909	5,600	2,800	3 ¹ / ₈	175.00
Lowell Institution for Savings.....	Sept 4, 1902	1912	27,740	5,548	3 ³ / ₈	936 22
Lowell Institution for Savings.....	Sept. 11, 1902	1912	30,827 50	6,165 50	3 ³ / ₈	1,040.43
Lowell Institution for Savings.....	Sept. 8, 1903	1913	26,700	4,450	3 ⁷ / ₈	1,034.62
Lowell Institution for Savings.....	Sept. 26, 1903	1913	15,000	2,500	3 9-10	585.00
Lowell Institution for Savings.....	Sept. 26, 1905	1915	66,640	8,330	3 ¹ / ₂	2,332 40
Salem Savings Bank.....	Sept. 8, 1906	1910	4,500	1,500	3 ¹ / ₂	157.50

Amount Due from the City on Ordinary City Debt—Continued

Loan Payable To	Date Made	Due	Present Amount of Loan	Am't of Annual payment due 1908	Rate	Amount of Interest due payable in April–October
Bequest of Thomas Nesmith	April 10, 1871		\$ 1,000		6	\$60.00
City Institution for Savings	Oct. 4, 1898	1908	3,600	\$ 3,600	4	144.00
Sundry Persons (bonds)	Oct. 1, 1890	1920	450,000		4	18,000.00
Sundry Persons (bonds)	April 1, 1891	1912	150,000		4	6,000.00
Lowell Institution for Savings	April 3, 1900	1910	20,400	6,800	3½	\$ 31.25
Lowell Institution for Savings	April 14, 1900	1910	1,059	350	3½	27.34
Lowell Institution for Savings	April 21, 1900	1912	11,550	3,850	3½	300.78
Washington Institution for Savings	Oct. 15, 1900	1910	5,400	1,800	3½	189.00
Lowell Institution for Savings	Oct. 31, 1900	1910	9,000	3,000	3½	315.00
Lowell Institution for Savings	April 6, 1905	1915	48,000	6,000	3%	1,518.75
Lowell Institution for Savings	Oct. 26, 1905	1915	61,920	7,740	3½	2,167.20
Lowell Institution for Savings	Oct. 2, 1906	1916	24,030	2,670	4½	991.24
May–November						
Bequest of Jonathan Tyler	May 10, 1878	Pept	10,000		6	600.00
Lowell Institution for Savings	May 18, 1898	1908	10,000	10,000	4	200.00
Lowell Institution for Savings	Nov. 9, 1898	1908	10,000	10,000	4	400.00
Lowell Institution for Savings	Nov. 6, 1899	1909	1,220	610	3 8 10	46 36

Lowell Institution for Savings.....	Nov. 17, 1899	1909	5,200	2,600	4	208.00
Lowell Institution for Savings.....	May 22, 1900	1910	3,600	1,200	3 $\frac{1}{8}$	93 75
Central Savings Bank.....	May 4, 1901	1911	3,480	870	3 $\frac{1}{2}$	106.57
Lowell Institution for Savings.....	May 23, 1901	1911	14,400	3,600	3 $\frac{1}{4}$	409.50
Washington Institution for Savings.....	Nov. 4, 1902	1912	4,175	835	3 $\frac{1}{2}$	146.12
Lowell Institution for Savings.....	Nov. 15, 1901	1911	11,960	2,990	3 3-10	394.68
Lowell Institution for Savings.....	Nov. 13, 1903	1913	5,172	862	3 $\frac{7}{8}$	200 38
Lowell Institution for Savings.....	May 24, 1904	1914	35,000	5,000	3 $\frac{5}{8}$	1,178.14
Lowell Institution for Savings.....	Nov. 5, 1904	1914	37,030	5,290	3 $\frac{5}{8}$	1,342.34
Washington Institution for Savings.....	Nov. 23, 1905	1915	1,760	220	3 $\frac{1}{2}$	61.60
Lowell Institution for Savings.....	May 8, 1906	1916	36,000	4,000	4	1,360.00
Sundry Persons (bonds).....	Nov. 1, 1907	1917	116,000	11,600	4 $\frac{1}{2}$	5,220.00
Sundry Persons (bonds).....	Nov. 1, 1907	1917	6,000	600	4 $\frac{1}{2}$	270.00
June-December						
Lowell Institution for Savings	Dec. 8, 1898	1908	3,010	3,010	4	120.40
Lowell Institution for Savings.....	Dec. 8, 1898	1908	4,800	4 800	4	192 00
Central Savings Bank.....	June 1, 1899	1909	6 000	3,000	4	180.00
Central Savings Bank.....	June 1, 1899	1909	3,500	1,750	4	105.00
Central Savings Bank.....	June 10, 1899	1909	6 600	3,300	4	198.00
Lowell Institution for Savings.....	Dec. 23, 1899	1909	2,000	1,000	4	80 00

Amount Due from the City on Ordinary City Debt—Continued

Loan Payable To	Date Made	Due	Present Amount of Loan	Am't of Annual payment due 1908	Rate	Amount of Interest payable in June-December
Lowell Institution for Savings.....	Dec. 30, 1899	1909	\$ 2,800	\$1,400	4	\$112.00
Commonwealth of Massachusetts	Dec. 26, 1900	1910	2,250	750	3½	78.75
Lowell Institution for Savings.....	Dec. 20, 1901	1911	4,800	1,200	3 3-10	158.40
Lowell Institution for Savings.....	June 3, 1902	1912	31,950	6,390	3¼	934.53
Lowell Institution for Savings.....	Dec. 31, 1902	1912	10,000	2,000	3 55-100	355.00
Lowell Institution for Savings.....	June 1, 1903	1913	58,620	9,770	3%	1,947.89
Lowell Institution for Savings.	Dec 31, 1903	1913	45,900	7,650	3 9-10	1,790.10
Lowell Institution for Savings.....	Dec. 31, 1904	1914	50,759.80	7,251.40	3½%	1,840.04
Lowell Institution for Savings.	June 1, 1905	1915	57,200	7,150	3½	1,876.87
Washington Institution for Savings	Dec. 30, 1905	1915	9,400	1,175	3½	320.00
Lowell Institution for Savings.....	Dec 03, 1905	1915	43,200	5,400	3½	1,512.00
Sundry Persons (bonds).....	Dec. 19, 1906	1916	63,900	7,100	4	2,556.00
Washington Institution for Savings.	Dec. 29, 1906	1916	5,220	580	4	208.80
Sundry Persons (bonds).....	June 1, 1907	1917	20,000	2,000	4	760.00
Sundry Persons (bonds).....	June 1, 1907	1917	10,000	1,000	4	380.00
Commissioners of Sinking Funds	Dec 5, 1907	1917	1,500	150	4½	67.50

Commissioners of Sinking Funds.....	Dec. 14, 1907	1917	3,500	350	4½	157 50
Sundry Persons (bonds).....	Dec. 16, 1907	1917	75,000	7,500	4¾	3,562 50
Sundry Persons (bonds).....	Dec. 16, 1907	1917	36,000	3,600	4¾	1,710.00
Sundry Persons (bonds).....	Dec. 31, 1907	1917	20,000	2,000	5	1,000.00
			2,464,848 30	294,222 90		95,637.35

Amount Due from City on Water Loans 1908

Loan Payable To	Date Made	Due	Present Amount of Loan	Am't of An- nual payment due 1908	Rate	Amount of Interest payable in November - August
Blake Bros. & Co.	Nov. 1, 1881	1911	\$75,000		4	\$3,000.00
Sundry Persons (bonds).....	Nov. 1, 1890	1920	1,000,000		4	40,000.00
Sundry Persons (bonds)	Aug. 7, 1895	1910	15,000	\$5,000	4	600.00
Estabrook & Co.	Aug. 8, 1900	1910	22,500	7,500	4	900.00
Lowell Institution for Savings.....	Nov. 9, 1906	1916	24,300	2,700	4½	1,002.38
			1,136,800	15,200		45,502.38

Amount of City Debt.....	\$2,464,848.30	Payments....	\$294,222.90	Interest.....	\$95,637.35
Amount of Water Loan.....	1,136,800.00	Payments	15,200.00	Interest.....	45,502.38
Total Gross City Debt.....	3,601,648.30		309,422.90		141,139.73
Amount of Sinking Funds	828,394.79				
Total Net City Debt.....	<u>2,773,253.51</u>				

GENERAL INFORMATION

Schedule B-B

Outstanding Assessments

Tables of Expenditure

Insurance on City Property

Amount of Outstanding Taxes and other Assessments due the City

TAXES

1899	\$492.98	
1901	15,874.26	
1902	18,247.93	
1903	14,463.15	
1904	13,698.90	
1905	14,511.35	
1906	171,103.94	
1907	393,109.78	
	<hr/>	\$641,496.29

STREET WATERING ASSESSMENTS

1905	3.71	
1906	2,545.71	
1907	5,227.87	
	<hr/>	7,677.29

SEWER ASSESSMENTS

1885	284.88	
1894	66.80	
1895	52.15	
1896	239.26	
1898	438.32	
1900	16.53	
1902	180.49	
1903	429.23	
1906	2,119.32	
1907	6,451.33	
	<hr/>	10,278.31

SIDEWALK ASSESSMENTS

1903	385.89	
1907	<u>5,438.31</u>	5,824.20

MISCELLANEOUS DEPARTMENT BILLS

1907	2,292.04	
Previous years, 1901 to 1906.....	<u>7,734.68</u>	10,026.72
Total amount outstanding assessments.....		<u>\$675,302.81</u>



DEPARTMENT EXPENSES FOR TWELVE YEARS

DEPARTMENTS	Expended in 1896	Expended in 1897	Expended in 1898	Expended in 1899	Expended in 1901	Expended in 1902	Expended in 1903	Expended in 1904	Expended in 1905	Expended in 1906	Expended in 1907
Abatement of Taxes.....	22,022 74	18,263 81	19,951 04	22,623 27	48,809 75	25,194 44	22,387 09	25,650 43	8,519 58	15,327 18	9,569 38
Assessors.....	21,293 81	21,500 00	20,873 23	14,813 56	14,093 63	14,093 63	14,173 50	14,057 64	14,142 21	13,819 16	14,385 06
Auditor.....	3,102 44	3,459 15	3,415 16	3,940 80	3,957 62	3,957 62	3,883 10	4,125 57	4,190 00	5,067 36	5,056 42
Care of City Hall.....	1,560 00	7,302 52	7,706 54	7,609 14	7,355 83	7,355 83	7,345 07	7,231 54	7,193 84	8,305 42	8,173 73
City Cemeteries.....	9,456 05	8,487 94	8,459 13	20,564 55	11,642 70	8,131 28	8,958 17	13,281 37	8,999 60	8,305 42	8,173 73
City Clerk.....	4,628 41	4,869 55	6,135 59	4,835 40	5,119 15	5,119 15	5,237 40	5,595 31	5,806 27	6,221 35	6,443 71
City Treasurer.....	9,582 44	9,582 44	9,376 91	10,694 29	11,128 87	11,128 87	11,138 50	10,687 70	11,105 85	11,405 79	10,975 31
City Sealers.....	300 00	895 17	382 81	372 25	410 00	428 75	424 15	430 00	415 84	379 03	650 98
City Weighr.....	800 00	800 00	800 00	816 45	812 22	812 22	811 75	823 30	816 78	811 25	810 25
City Messenger.....	6,964 52	1,733 32	1,651 43	1,494 23	1,490 43	1,490 43	2,691 14	3,151 52	3,026 12	17,078 54	18,115 75
Clerk of Committees.....					1,274 32	1,274 32	1,359 80	1,382 46	1,387 93	1,399 14	1,568 55
Clerk of Common Council.....	250 00	300 00	300 00	300 00	300 00	300 00	300 00	300 00	300 00	300 00	300 00
Elections.....	7,289 64	11,990 31	10,891 41	11,982 76	6,679 71	6,679 71	6,492 56	6,810 86	12,956 69	13,079 92	9,248 58
Engineering.....	15,950 39	16,482 49	16,482 49	16,055 74	15,433 99	15,433 99	16,224 29	16,216 36	16,247 42	15,316 99	13,218 20
Fire Department.....	132,920 29	129,804 22	119,369 54	137,788 09	122,377 96	122,377 96	127,906 02	131,956 38	142,117 57	141,440 22	149,239 95
Fish Warden.....	9 17			40 00	40 00	40 00	40 00	40 00	40 00	40 00	40 00
Pound Keeper.....	5 00			5 00	5 00	5 00	5 00	5 00	5 00	1 36	5 00
Health.....	45,587 11	48,551 84	41,026 78	40,830 23	46,673 41	46,673 41	52,613 19	46,168 01	61,707 39	54,096 00	57,763 79
Heating City Hall and Memo. Bldg.....	8,854 18	4,501 93	6,067 98	7,398 94	6,266 34	6,266 34	5,811 54	7,874 44	7,853 77		
Huntington Hall.....	5,221 42	5,109 44	6,536 76	34,719 21	4,011 39	4,011 39	4,704 96	5,469 86	625 00	9 00	
Rifle Range.....	12,647 65	674 81	697 63	670 29	787 87	787 87	702 48	698 57	699 16	2,498 02	877 83
Incidentals and Miscellaneous.....	7,098 51	9,316 61	7,526 26	6,068 04	3,767 93	2,759 71	4,746 75	2,736 30	3,254 94	8,987 99	5,588 28
Insurance.....			1,425 00	1,825 00	2,203 13	2,203 13	4,710 01	2,733 23	2,366 90	2,368 24	3,493 98
Inspector of Milk and Vinegar.....	2,334 18	2,387 88	1,927 88	2,329 97	2,321 31	2,321 31	2,309 65	2,384 55	2,368 59	2,363 27	2,398 69
Inspector of Animals and Provs.....	500 00	500 00	500 00	500 00	500 00	500 00	500 00	500 00	500 00	516 50	510 00
Inspector of Wires.....				2,110 73	3,292 27	3,047 61	2,865 74	2,865 74	2,674 98	2,817 09	2,730 12
Law.....	4,568 35	7,619 73	14,521 26	24,927 58	13,600 99	18,301 21	7,623 11	5,542 25	6,970 44	6,390 92	6,791 72
Library.....	17,129 52	14,671 62	15,065 34	16,000 00	15,000 00	16,000 00	16,000 00	16,000 00	15,379 39	13,000 00	12,874 67
Lighting.....	86,475 20	87,091 20	87,968 40	83,991 22	95,918 67	98,401 14	98,401 14	101,378 76	101,069 86	98,802 09	93,547 20
Liquor Licenses.....	38,135 50	38,338 75	39,238 50	41,937 75	43,110 50	43,060 75	43,060 75	43,250 00	43,624 75	43,432 50	44,625 50
Mayor.....	3,101 97	5,024 87	4,691 70	4,425 09	4,301 26	4,301 26	5,049 44	4,386 22	4,275 55	4,275 55	4,398 98
Park Department.....	12,093 64	12,942 55	13,107 65	11,786 26	16,128 74	11,707 88	16,681 77	13,095 85	14,471 08	21,173 30	32,858 90
Charity Department.....	116,139 29	105,623 13	108,880 42	114,308 78	121,203 19	127,419 16	145,200 68	145,200 68	147,416 73	96,262 71	81,351 22
Police.....	129,592 33	120,220 67	122,637 94	123,380 84	137,275 14	130,936 25	143,180 82	145,854 28	144,056 62	144,320 79	146,324 03
Public Buildings.....	22,867 06	15,096 86	15,336 33	19,008 05	16,848 32	16,928 16	22,723 52	31,305 95	33,445 06	28,113 46	38,837 03
Registrars of Voters.....	2,000 00			3,719 84	3,819 92	3,933 38	3,861 89	4,085 51	5,524 25	5,712 49	4,635 04
Schools.....	204,637 13	277,386 64	273,458 77	272,654 13	275,320 31	296,144 67	284,632 74	299,532 79	303,242 84	346,194 69	384,296 49
School Houses.....	258,053 20	97,529 97	108,929 36	65,115 23	103,543 71	48,843 22	57,488 75	59,179 59	108,392 06	107,913 59	40,531 55
Sewer.....	118,261 20	107,962 76	120,886 44	118,337 08	80,961 83	123,851 37	100,863 35	143,104 32	125,632 77	96,835 29	68,360 53
State Aid.....	15,631 00	16,622 36	18,399 73	17,049 38	16,939 49	17,240 01	16,863 35	17,157 14	17,673 50	18,400 85	16,674 00
Military Aid.....	6,365 00	7,153 00	6,525 00	6,966 00	7,664 00	6,332 00	6,332 00	3,931 00	3,170 00	3,271 71	3,302 00
Soldiers' Relief.....	6,651 64	7,904 97	8,210 23	9,278 36	8,454 86	8,633 53	9,066 35	9,071 04	9,985 64	9,073 65	9,446 81
Streets.....	266,910 21	136,743 76	219,947 34	175,164 14	134,239 89	280,292 98	226,917 84	216,514 32	217,865 48	239,457 17	242,538 97
Supply.....		6,062 68	5,337 47	5,533 29	7,287 79	6,243 84	6,385 87	6,367 21	6,303 12	6,177 82	6,383 21
Watering Streets.....	10,235 62	9,030 02	9,733 90	10,784 15	12,436 19	14,194 35	16,585 63	16,855 77	16,090 74	17,924 31	17,385 00
State Supervisors.....					784 00	800 00	872 00	824 00	424 00	856 00	848 00
Water Works.....	268,845 15	259,567 70	197,469 00	202,012 78	265,038 04	233,541 43	208,408 99	200,232 47	189,478 12	238,795 21	244,624 07
Temporary Loans.....	425,000 00	925,000 00	1,075,000 00	1,025,000 00	925,000 00	900,000 00	1,000,000 00	1,100,000 00	1,200,000 00	1,300,000 00	1,300,000 00
Taxes.....	143,658 94	137,409 96	130,488 11	81,168 07	130,026 93	144,470 58	132,139 06	87,956 09	186,896 14	207,478 72	134,995 81
City Debt.....	246,690 00	266,090 00	304,700 00	309,230 00	339,840 00	325,590 00	377,100 00	396,438 50	367,221 90	291,636 90	291,882 90
Interest.....	124,622 71	119,731 07	119,144 78	126,544 87	130,630 00	124,807 60	127,414 55	117,289 93	130,544 35	135,402 07	145,733 80
Sinking Funds.....	39,360 00	43,300 00	43,300 00	43,300 00	43,300 00	43,300 00	43,300 00	41,300 00	32,300 00	32,300 00	32,300 00

Loans Negotiated by the City since 1900, how expended

Year	For Waterworks	For Current Expenses	For Permanent Improvements	Total Loans
1900	75,000.00		213,500.00	288,500.00
1901		40,000.00	216,100.00	256,100.00
1902		26,500.00	196,385.00	222,885.00
1903		43,860.00	343,460.00	387,320.00
1904		113,716.00	140,698.00	254,414.00
1905		165,500.00	194,650.00	360,150.00
1906	27,000.00	94,100.00	126,360.00	247,460.00
1907		136,160.00	239,340.00	365,500.00

Expenditure, Tax Rate, Valuation from 1860

Year	Expenditures	Tax Rate	Total City Valuation
1860	\$ 267,192.07	\$ 8.40	\$22,155,176.00
1865	756,342.81	14.60	21,076,360.00
1870	778,636.03	13.90	25,972,488.00
1875	1,162,922.95	16.20	38,690,495.00
1880	1,398,683.48	16.20	41,102,016.00
1885	1,833,483.69	16.00	51,351,780.00
1890	3,613,584.04	17.00	62,353,612.00
1895	2,903,410.60	18.00	68,885,732.00
1900	3,353,844.41	18.80	71,529,515.00
1905	3,738,502.84	20.20	71,645,718.00
1906	3,795,000.75	19.60	74,945,640.00
1907	3,718,874.34	19.40	76,079,750.00

Valuation of Real Estate and Personal Property with Tax Rate

Year	Polls	Personal	Real Estate	Total	Rate	Non-Resident Bank Stock	Grand Total Tax
1890	20,021	\$17,037,462	\$45,316,150	\$62,353,612	\$17.00	\$17,096.24	\$1,117,188.12
1891	20,931	17,535,390	46,552,885	64,088,275	15.60	15,956.07	1,057,638.66
1892	22,789	17,213,834	47,503,470	64,717,304	16.80	17,616.16	1,150,506.87
1893	23,511	18,004,970	50,851,600	68,856,570	16.40	17,397.53	1,193,667.27
1894	23,304	17,046,966	52,044,570	69,091,536	17.40	16,786.71	1,265,587.45
1895	23,735	16,526,492	52,359,240	68,885,732	18.00	17,557.16	1,304,970.34
1896	25,320	15,967,762	53,942,710	69,910,472	15.00	14,941.02	1,114,238.10
1897	25,140	15,709,260	54,680,020	70,389,280	17.40	17,302.47	1,292,355.95
1898	24,526	15,350,323	55,626,980	70,977,303	18.00	17,161.06	1,343,804.51
1899	24,882	15,374,232	55,881,355	71,255,587	19.60	18,366.73	1,469,642.32
1900	25,837	15,497,630	56,031,885	71,529,515	18.80	17,330.59	1,413,759.47
1901	25,059	15,425,843	56,248,745	71,674,588	18.60	16,449.04	1,399,714.38
1902	25,263	15,194,442	56,709,315	71,903,757	19.60	10,974.00	1,470,813.64
1903	24,559	15,178,418	56,825,610	72,004,028	20.40	12,054.30	1,530,054.47
1904	25,555	14,841,767	56,773,140	71,614,907	20.00	11,239.36	1,494,647.50
1905	26,087	14,433,923	57,211,795	71,645,718	20.20	12,522.12	1,511,939.62
1906	25,688	15,392,795	58,932,980	74,325,775	19.60	12,149.35	1,520,310.55
1907	25,181	15,763,821	59,690,910	75,454,738	19.40	12,125.23	1,526,309.15

STREET DEPARTMENT

Number of miles of accepted streets, January 1, 1907.....	133.07
Number of miles of streets accepted in 1907.....	.49
	<hr/>
Total mileage of streets accepted.....	133.56

SEWER DEPARTMENT

Length of sewers laid to January 1, 1907, 98.23 miles, costing	\$3,061,242.45
Length of sewers laid in 1907..... 1.08 miles, costing	42,776.73
	<hr/>
Total mileage of sewers laid..... 99.31	Total cost... \$3,104,019.18

PAYMENTS TO BE MADE TO SINKING FUNDS IN 1908

	Payment to be paid	Total Am't of Loans
City Hall and Memorial Buildings, due 1920	\$7,500.00	\$450,000.00
High School, due 1921.....	3,000.00	150,000.00
New School Houses, due 1926.....	4,000.00	200,000.00
Water Loan, due 1920	16,000.00	1,000,000.00
High Service Water Supply, due 1911	1,800.00	75,000.00
	<hr/>	<hr/>
	\$32,300.00	\$1,875,000.00

SCHOOL DEPARTMENT**Cost of Supervision—**

Superintendent.....	\$3,000.00
Office assistant.....	600.00
Four truant officers.....	4,300.00
Supply clerk.....	545.00
	<hr/>

\$8,445.00

Cost of Teachers and Janitors—

High school.....	40,191.00
Bartlett school	9,425.63
Butler school.....	13,259.00
Edson School	9,576.00
Green school....	10,221.03
Greenhalge school.....	4,816.97
Highland school.....	14,963.45
Lincoln school.....	8,928.95

SCHOOL DEPARTMENT—Continued

Moody school	\$8,665.92	
Pawtucket school.....	6,787.39	
Riverside school.....	1,893.74	
Varnum school.....	11,821.09	
Primary and mixed school	85,644.46	
Training school	12,466.75	
Kindergartens.....	13,199.50	
Special teachers.....	4,338.00	
Evening high and elementary.....	15,393.25	
Evening drawing and art.....	2,753.00	
Janitors, day schools.....	41,894.87	
Janitors, evening schools	3,181.75	
		\$319,424.75
Supplies.....		56,426.74
Total expenses.....		<u>\$384,296.49</u>

INSURANCE, 1908

City Hall, 3 year policies.....	\$120,000
Contents, 3 year policies.....	10,000
Memorial Building, 3 year policies	105,000
Contents (Library)	30,000
Portraits of Washington, Lowell, Boott, Jackson, Appleton and Lawrence in City Hall and Memorial Building, 5 year poli- cies	8,000
Portrait of J. B. Francis in City Hall, 5 year policies.....	1,900
Training school, 3 year policies	15,000
Pauper Dept., buildings and contents, 5 year policies.....	36,000
3 year policies	10,000
High school, 1 year policies.	127,350
Contents, 1 year policies	3,650
High school annex, 1 year policies	65,000
Contents, 1 year policies.....	8,190
Wigginville school, 5 year policies	14,000
Contents City stables, 1 year policies.....	10,000
Contents Health Dept. Stables, 1 year policies	4,000
Old Moody school, 1 year policies.....	5,000
Edson Cemetery stable and sheds, 3 year policies.....	2,500
Rifle range, 1 year policies.....	3,000

INSURANCE, 1908—Continued

Elevator, City Hall, accident policy, 1 year policies	10,000
Ash lift, City Hall, accident policy, 1 year policies.....	10,000
58 boilers in different City buildings, 3 year policies.....	200,000
Boilers in City Hall, 3 year policies	25,000
Boilers at City Farm, 3 year policies	10,000
Boilers in Ennell St. school, 3 year policies.....	10,000
Above insurance paid from insurance appropriation	

Water Works Dept.—

Pumping station, driven well plants, shops and houses, 5 year policies	81,400
Boilers, 3 year policies	60,000
Fly wheel accident, 3 year policies.....	30,000
Paid for by Water Dept.	

Park Dept.—

Stable, sheds and contents, 1 year policies.....	6,150
Liability accident, 1 year policies	5,000
Paid for by Park Dept.	



GENERAL INFORMATION

Schedule C-C

City Properties

Valuations

VALUATION OF CITY PROPERTY

Buildings

City Hall	\$410,000.	
Memorial Building	200,000.	
Police Station	88,000.	
City Scales	750.	
Public Landing and Police Stable	9,500.	
Lands and Building on Fletcher Street	3,000.	
Lands and Buildings on Fletcher, Cross, Broadway and Lagrange Streets	100,000.	
City Farms and Buildings	200,000.	
Rifle Range	14,000.	
	<hr/>	1,025,250.00

Fire Engine Houses

Branch Street	22,000.	
Central Street	11,000.	
Fletcher Street	18,000.	
Fourth Street	15,000.	
Gorham Street	27,000.	
High Street	24,000.	
Lincoln Street	5,500.	
Lawrence Street	26,000.	
Merrimack Street	5,000.	
Mammoth Road	15,000.	
Palmer Street	90,000.	
Westford Street	18,000.	
Warren Street	11,000.	
	<hr/>	288,000.00

School Houses

High School	250,000.
High School Annex	105,000.
Bartlett (old)	25,000.
Bartlett (new)	108,000.
Butler	63,000.
Colburn	25,000.
Edson	25,000.
Franklin	25,000.
Green	105,000.

VALUATION OF CITY PROPERTY—Continued

School Houses—Continued

Highland	67,000.
Lincoln	77,000.
Moody (new)	80,000.
Moody (old).....	20,000.
Mann	25,000.
Pawtucket	53,000.
Varnum	110,000.

Primary Schools—

Oakland	12,000.
Powell Street	8,000.
Plain Street.....	21,000.
London Street Annex.....	1,000.
London Street.....	5,000.
School Street.....	7,500.
Pond Street	6,000.
High Street	9,000.
Carter Street	52,000.
Fayette Street.....	3,500.
Cross Street.....	24,000.
Billings Street.....	16,000.
Cabot Street	23,500.
Middlesex Village (old)	2,000.
Middlesex Village (new).....	16,000.
West Sixth Street	7,000.
Mammoth Road	4,000.
Lakeview Avenue and Annex	9,500.
Ames Street.....	9,500.
Tenth Street	9,000.
Favor Street	28,000.
Cottage Street.....	4,500.
Charles Street.....	20,000.
Training	31,000.
Cheever Street.....	12,000.
Chapel Street	4,000.
Central Street	13,500.
Howard Street	5,000.
Worthen Street.....	25,000.
Lyons Street	20,000.
Dover Street.....	13,500.

VALUATION OF CITY PROPERTY—Continued

School Houses—Continued

Morrill School.....	19,000.	
Agawam Street.....	9,000.	
Grand Street	5,000.	
Kirk Street.....	18,000.	
Weed Street	10,500.	
Lexington Avenue.....	10,000.	
Moody Street.....	20,000.	
Pine Street.....	23,000.	
Riverside	15,000.	
Highland Annex.....	3,700.	
Greenhalge School.....	74,200.	
Lyons Street Annex	5,400.	
		1,797,800.00

Park Department

North Common.....	100,000.	
South Common.....	200,000.	
Mount Vernon Park	4,350.	
Belvidere Park	20,000.	
Wilson Park	200.	
Rogers Fort Hill Park	150,000.	
Tyler Park.....	8,000.	
Varnum Park.....	6,000.	
Monument Square.....	15,000.	
		503,550.00

Miscellaneous Real Estate

Lot of Land on Chelmsford Street.....	5,000.	
Lot of Land on Fletcher and Bowers Street.	20,000.	
Lot of Land on Tenth Street.....	5,000.	
Lang Land	2,200.	
Cremator.....	10,000.	
Rifle Range, Dracut.....	2,700.	
Harris Land, Dracut, 28 acres.....	600.	
Parker Land, Dracut, 20 acres	1,400.	
Hildreth Land, Dracut, 17 acres.....	500.	
Meadow Land, Dracut, 5 acres	275.	
Swan Land, Dracut, 5 acres.....	200.	
		47,875.00

LAND OWNED BY THE CITY OF LOWELL FOR BURIAL PURPOSES

Date	Location	Grantee	Area	Price	Grantor
Nov. 5, 1810	School St. ‡1	Inhabitants of Chelmsford	1 acre 23 rods	\$23.00	Joel Spaulding
Mar. 31, 1832	Gorham St. ‡2 see below	136 rods in Chelmsford	4 acres 81 rods	428.00	Simon and Susanna Parker
Nov. 16, 1846	" ‡3		30 acres	1,500.00	William and Hannah Spencer
Nov. 25, 1893	" ‡3	Taken by resolution, Nov. 17, 1893, J. J. Pickman, Mayor	112,980 sq. ft.	4 236 75	Mary and John Gannon
Nov. 15, 1894	" ‡3		13,846 "	692 30	William B. Spaulding
Dec. 24, 1894	" ‡3		10,527 "	526.35	J. J. Donovan
			137,353 " or 31 acres		
1893	" ‡3	Taken by resolution, Sept. 10, 1891. Geo. W. Fifeid, Mayor	44,139 sq. ft.	(a) 1,800.00	Seven Ohlson
1894	" ‡3		88,428 "	" 3,290.00	Charles D. Starbard
1899	" ‡3		133,606 "	" 6.056 95	William Manning
			266,173 " or 6.1 acres		
July 20, 1893	" ‡3 annex			50 00	Seven Ohlson
1899	" ‡3		18,972 acres	5,691 60	Chas. W. and Sarah Swan
Dec. 17, 1877	" *		7 acres	2,000 00	T. McOwen

‡1 is the Cemetery on School Street.
‡2 is the old Cemetery on Gorham Street.
‡3 is the new Cemetery on Gorham Street, known as the Edson Cemetery
* Jan., 1878, \$400.00 was returned to City on purchase of McOwen land, reducing cost to \$1,600.
(a) Paid on execution.

VALUATION

School Street.....	\$8,000
Gorham Street	35,000
	<u>\$43,000</u>

VALUATION OF CITY PROPERTY—Continued

Water Works

The Real Estate and Personal Property belonging to the City, occupied and used by the Water Works	4,375,888.	
	<u> </u>	4,375,888.00

Personal Property Owned by the City in Charge of the Several Departments

Auditor.	650.	
City Clerk	550.	
City Treasurer.....	700.	
City Weigher	250.	
City Sealer	250.	
City Messenger	1,250.	
City Cemeteries.....	1,600.	
Clerk of Committees	200.	
Engineering.	3,400.	
Elections	1,150.	
Fire Department.....	160,000.	
Health	10,300.	
Inspector of Milk	900.	
Inspector of Wires	650.	
Law.....	3,100.	
Library.....	70,500.	
Mayor.....	500.	
Charity, Out Door Relief.....	4,000.	
Charity and Almshouse	24,000.	
Police.	31,200.	
Public Buildings	15,100.	
Parks.....	4,825.	
Registrars	50.	
Schools.....	54,400.	
Streets.....	42,800.	
Sewers.....	23,315.	
State Aid.....	250.	
Supply.....	550.	
Watering Streets.....	7,450.	
Bell and Clock, High St. Church.....	1,000.	
Lighting.....	17,000.	
Boulevard.....	3,100.	
	<u> </u>	484,990 00

RECAPITULATION OF VALUATION OF CITY PROPERTY AND CITY DEBT

Buildings	1,025,250.	
Fire Engine Houses	288,000.	
School Houses	1,797,800.	
Park Departments	503,550.	
Miscellaneous Real Estate	47,875.	
Water Works	4,375,888.	
Cemeteries	43,000.	
Personal Property	484,990.	
	<hr/>	
Total Valuation		8,565,353.00
Gross City Debt	3,601,648.30	
Sinking Funds for Payment	828,394.79	
	<hr/>	
Gross City Debts less Sinking Funds		2,773,253.51
		<hr/>
Excess in Valuation of City Pro- perties over Gross City Debt		5,792,099.49
		<hr/>



GENERAL INFORMATION

Schedule D-D

Trust Funds

TRUST FUNDS

[CHAP. 322.]

AN ACT TO PROVIDE FOR THE AUDITING OF CERTAIN TRUST FUNDS AND ACCOUNTS

Be it enacted, etc., as follows:

SECTION 1. It shall be the duty of city and town auditors at least once every year, and so much oftener as they may deem it necessary, to audit the accounts of the trustees of any property the principal or income of which, in whole or in part, was bequeathed or given in trust for the benefit of the city or town or any part thereof, or for the benefit of the inhabitants of the city or town or of any part thereof, and to examine and estimate the funds, securities and evidences of property held by such trustees. City and town auditors shall include in their annual reports a report of such auditing and investigation; and if they discover any fraud or irregularity they shall immediately report the same to the mayor and treasurer of the city or to the selectmen or treasurer of the town.

SECTION 2. It shall be the duty of the trustees designated in section one hereof to give city and town auditors free access to their accounts, funds, securities and evidences of property; and any such trustee who refuses to exhibit his trust accounts, funds, securities and evidences as aforesaid shall be subject to a fine of not less than fifty nor more than two hundred dollars.

SECTION 3. This act shall be construed as applying only to property held in trust for public uses. [*Approved May 9, 1904.*]

Water Loan Sinking Fund

Value of fund Jan. 1, 1908	438,227.32	
Securities belonging to this fund.....		436,500.00
Cash on deposit at Appleton National Bank ..		1,727.32
		<u>438,227.32</u>

High Service Water Loan Sinking Fund

Value of fund Jan. 1, 1908	72,451.61	
Securities belonging to this fund.....		72,000.00
Cash on deposit at Appleton National Bank...		451.61
		<u>72,451.61</u>

TRUST FUNDS—Continued**City Hall and Memorial Building Fund**

Value of fund Jan. 1, 1908	201,921.54	
Securities belonging to this fund.....		201,000.00
Cash on deposit at Appleton National Bank...		921.54
		<u>201,921.54</u>

High School Sinking Fund

Value of fund Jan. 1, 1908	65,911.22	
Securities belonging to this fund.....		65,500.00
Cash on deposit at Appleton National Bank...		411.22
		<u>65,911.22</u>

New School Houses Sinking Fund

Value of fund Jan. 1, 1908	49,883.10	
Securities belonging to this fund.....		49,000.00
Cash on deposit at Appleton National Bank...		883.10
		<u>49,883.10</u>

Hapgood Wright Centennial Trust Fund

Resolution adopted by the City Council, March 14, 1876: "The sum of \$1,000.00 be accepted from Hapgood Wright, under the conditions specified by him, that the money be placed at interest for 50 years and at the end of that time the interest to be spent by the City Council (by a two thirds vote) for the benefit of the City or its citizens, but the original \$1,000.00 to be always kept on deposit and the interest only to be spent by the City Council at the end of each 50 years."

Value of fund Jan. 1, 1908	3,667.12	
Cash on deposit Lowell Institution for Savings		735.94
Cash on deposit City Institution for Savings...		2,931.18
		<u>3,667.12</u>

TRUST FUNDS—Continued**Public Burial Ground Fund**

Value of fund Jan. 1, 1908	52,775.00
Savings Bank Accounts valued at	<u>52 775.00</u>

Thomas Nesmith Fund

\$25,000.00. Annual interest, \$1,500.00

Resolution, numbered 57, passed by the City Council, November, 1870:
 "That the sum of \$25,000.00 be accepted by the City and that the interest, at the rate of 6 per cent., be paid to the trustees, and that they in turn pay to the Ministry-at-Large, or to like people as they may decide. Said sum to be used for people in temporary need of charitable assistance without distinction of race, color or religion. Original trustees: George F. Richardson, John A. Buttrick, Owen Street, Samuel W. Stickney and Charles Hovey. In case of a vacancy, the remaining trustees shall report to the Justice of the Court, who shall appoint a successor to fill said vacancy."

Thomas Nesmith Fund

\$1,000.00. Annual interest, \$60.00.

Resolution, numbered 54, passed by the City Council, April, 1870: "That the City of Lowell be appointed trustee of the sum of \$1,000.00, and that the City Treasurer is authorized to pay to the High Street Church the interest of said sum at the rate of 6 per cent. for ever. Said sum to be used by the Pastor and Deacons of said Church to sustain the Sunday School and its library for the moral and religious instruction of the children."

Johnathan Tyler Fund

\$10,000.00. Annual interest, \$600.00

Resolutions, numbered 14 and 74, passed by the City Council, May, 1878:
 "That the City of Lowell be appointed trustee of the sum of \$10,000.00 and that the City Treasurer is authorized to pay to the Ministry-at-Large the interest of said sum at the rate of 6 per cent. for ever. Said sum to be used for the benefit of the worthy poor of the city. Said Ministry shall make an annual report of their dispensing said money to the City Council."

TRUST FUNDS—Continued**Trust Funds Held by City**

Name	Amount	Receipts	Payments
Thomas Nesmith	\$25,000.00	*	1,500.00
Thomas Nesmith	1,000.00	*	60.00
Johnathan Tyler	10,000 00	*	600.00
Hapgood Wright	1,000.00	†137 56	137.56
Cemetery Fund	52,775.00	‡1,891.63	1,908.52
		<u>2,029.19</u>	<u>4,206.08</u>

John Davis Fund

Present value of fund	<u>106,396.24</u>	
Savings Bank Accounts.....		2,905.86
Bonds, par value.....		65,000.00
Stocks, value March 26, 1908.....		32,280.50
Notes.....		2,950 00
Silverware and Jewelry.....		90.15
Cash, A. G. Stiles, City Treasurer.....		3,001.14
Cash, F. A. Chase, Agent.....		168.59
		<u>106,396.24</u>

Savings Bank Book

Name of Bank	Present Value 1908	
City Institution.....	1,080.00	
“ “	574.35	
Merrimack River.....	1,045 39	
Central.....	<u>206.12</u>	2,905.86

Registered Bonds

Name	Due	Interest	Par Value	
City of Boston.....	1919	3½	10,000.	
Boston & Maine R. R....	1944	4½	11,000.	
Boston & Albany R. R.....	1952	3½	4,000.	
New York, New Haven & Hartford R. R..	1914	4	10,000.	
New York, New Haven & Hartford R. R..	1954	4	10,000.	
Illinois Central R. R	1952	3½	10,000.	
Boston & Maine.....	1926	4	10,000.	
			<u>65,000 00</u>	

* No interest received by City, but City pays 6 per cent., per resolutions.

† Interest received by City and deposited in bank, per resolution.

‡ Interest received by City and paid to Cemetery Trustees at 4 per cent. per resolution.

TRUST FUNDS—Continued

Stocks

No. of Shares	Name	Present Value	
		Rate	Amount
50	Merrimack Manufacturing Co.....	48	2,400.00
3	Lowell Bleachery.....	110	330.00
12	Middlesex Company.....	37	444.00
49	Bigelow Carpet Co.....	103	5,047.00
8	Nat. Bank of Republic of Boston.....	162½	1,300.00
6	Nat. Bank of Commerce.....	160	960 00
9	Appleton Nat. Bank, Lowell.....	103	927.00
3	Old Lowell Nat. Bank, Lowell.....	101	303 00
11	Prescott Nat. Bank, Lowell, 107.....	140	1,540.00
2	Wamesit Nat. Bank, Lowell.....	100	200.00
11	Union Nat. Bank, Lowell.....	165½	1,820.50
10	First Nat. Bank, West Newton.....	140	1,400.00
41	Boston & Maine R. R. (Common)	131	5,371.00
38	Boston & Albany R. R.....	198½	7,741.50
1	Nashua & Lowell R. R.....	230	230.00
1	Concord & Montreal R. R., Class 4...	161¾	101.75
3	Lowell Gas Light Co.....	238¼	714 75
8	American Tel. & Tel. Co.....	110	880.00
6	Hudson River Telephone Co.....	85	510 00
			<hr/> 32,280.50

Notes

Kind	Appraised	Present Value
Three Mortgage Notes.....	<div> <div>2,000.00</div> <div>650.00</div> <div>300.00</div> </div>	<div>2,950.00</div> <div><hr/></div> <div>2,950.00</div>
Silverware and Jewelry.....		90.15
Cash, A. G. Stiles, City Treasurer.....		3,001.14
Cash, F. A. Chase, Agent.....		168.59
		<hr/> 106,396.24

I hereby certify that I have examined all preceding trust funds, accounts and securities belonging to them held for public uses, and find them correct.

Attest: CHAS. D. PAIGE,
City Auditor

April 1, 1908.

TREASURER'S REPORT

Schedule E-E

City Treasurer's Report

Report of Commissioners of Sinking Funds

Burial Ground Funds

Accountant's Report

Account of the City Treasurer and Collector of Taxes

For the Year 1907

LOWELL, MASS.,

January 1, 1908.

To the Honorable the City Council.

Gentlemen:

I have the honor to submit the following
report of the receipts and expenditures of the City
of Lowell for the financial year 1907.

Respectfully submitted,

ANDREW G. STILES,

City Treasurer and Collector of Taxes.

ACCOUNT OF THE CITY TREASURER AND COLLECTOR OF TAXES FOR THE YEAR 1907

Andrew G. Stiles, City Treasurer and Collector of Taxes, in account with
the City of Lowell for the Financial Year 1907

DR. To cash received on account of :

Cash balance, Jan. 1, 1907.....	\$287,400.03
Assessors, sundries.....	8.00
Auditor, sundries.....	10 00
Almshouse, sundries.....	.35
Outdoor Relief, general sundries	94.98
Engineering.....	6,319.44
Fire Department, sundries	2.40
Health Yard, sundries	56.25
Inspector of Milk, sundries.....	20.00
Law, sundries	3.60
Parks, sundries.....	277.00
Police, salaries	2,203.75
Public Buildings, sundries.....	31.96
Labor.....	1,096.53
Registrars, sundries.....	5.00
School Houses, labor	1,259.64
Sewers, maintenance.....	10,683.63
Construction	655.58
Streets	15,006.37
State Aid.....	34.00
Military Aid	10.00
Soldiers' Relief	25.63
Supply, sundries.....	41.41
Watering Streets .	385.00
Water Works.....	220,842.64
City Debt	19,300 00
Perry Street extension	7.00
Watering Streets, abatement.....	2.00
Grade crossings	3.60
	565,785.81

ACCOUNT OF TREASURER—Continued

General Treasury Fund Receipts

City Cemeteries	8,261.00
City Clerk.....	1,142.08
City Treasurer	1,161.50
City Sealer.....	136.94
City Weigher	137.82
Fire Department	63.11
Health	6,808.20
Inspector of Milk.....	100.00
Almshouse	1,468.93
Outdoor Relief	3,814.93
Police	10,437.72
Public Buildings	2,424.25
School Houses	243.50
Schools	6,561.13
Sewers	22,770.83
Streets	3,175.62
State Aid	16,268.00
Military Aid.....	1,696.71
Soldiers' Relief.....	350.00
Watering Streets.....	16,929.97
Interest	25,594.50
Temporary loans	1,300,000.00
Taxes of 1901.....	6.00
Taxes of 1902	6.00
Taxes of 1903.....	28.04
Taxes of 1904	448.50
Taxes of 1905	158,599.11
Taxes of 1906	176,884.28
Taxes of 1907	1,129,160.17
Loans.....	365,500.00
Incidentals.....	3,980.55
Liquor Licenses...	178,454.00
Corporation Tax.....	63,450.30
Moth Assessments.....	2,280.36
Engineering	28.75
State Tax	1,830.00
Law.....	5.00
Parks.....	1,031.00
Lighting	44.78

ACCOUNT OF TREASURER—Continued

Inspector of Wires	90.00	
National Bank Tax.....	4,209.78	
Street Railway Tax.....	9,352.65	
Excise Tax.....	8,869.21	
		<u>3,533,805.22</u>
		<u>4,099,591.03</u>

By cash paid on account of:

CR.

Abatement of Taxes.....	57.60
Assessors, salaries.....	12,019.50.
Sundries	912.55
Auditor, salaries.....	3,886.67
Sundries	1,169.75
Almshouse, labor....	12,112.92
Sundries	37,506.30
Care of trees	500.00
Outdoor Relief, salaries and office.....	5,143.64
General sundries	26,588.36
City Cemeteries	8,173.73
City Clerk, salaries	5,258.34
Sundries	1,185.37
City Treasurer, salaries.....	8,322.01
Sundries	2,653.30
City Sealer, salaries	350.00
Sundries	300.98
City Weigher, salaries	800.00
Sundries	10.25
City Messenger, salaries	9,485.50
Fuel	4,312.70
Sundries	1,898.81
Lighting	1,414.99
Police.....	1,003.75
Clerk of Common Council.....	300.00
Clerk of Committees, salaries.....	1,400.00
Sundries	168.55
Elections	9,248.58
Engineering.....	13,218.20
Fire Department, salaries.....	121,205.20
Sundries	27,020.04

ACCOUNT OF TREASURER—Continued

Fish Warden.....	40.00
Health Office, contagious diseases.....	1,200.00
Salaries	10,559.25
Sundries	3,275.99
Health Yard, labor	32,957.28
Sundries	9,771.27
Incidentals	2,744.60
Insurance	3,493.98
Inspector of Animals, salaries.....	500.00
Sundries	10.00
Inspector of Milk.....	2,204.25
Sundries	194.44
Inspector of Wires, salaries.....	2,355.00
Sundries	375.12
Law, salaries.....	4,826.00
Sundries	1,965.72
Library	12,500.00
Liquor Licenses	44,625.50
Lighting	93,547.20
Moth Extermination	7,546.90
Mayor, salaries.....	4,200.00
Sundries	198.98
Parks, labor.....	8,500.00
Sundries	3,777.00
Police, salaries	138,621.02
Sundries	7,703.03
Public Buildings, salaries	3,991.00
Sundries	9,556.52
Labor.....	7,262.07
City Hospital, repairs.....	2,983.10
Janitors	2,093.50
Pound Keeper.....	5.00
Registrars, salaries	3,430.89
Sundries	1,204.15
Rifle Range, salaries.....	619.82
Sundries	158.01
Schools	384,296.49
School Houses, labor	12,869.30
Sundries	11,462.25
Sewers, maintenance	25,583.80
Construction	42,776.73

ACCOUNT OF TREASURER—Continued

Streets	165,363.42
State Aid, office expenses.....	2,102.66
Aid.....	16,674.00
Military Aid	3,302.00
Soldiers' Relief.....	9,446.81
Supply, salaries	5,502.50
Sundries	649.69
Newspaper advertising	231 02
Watering Streets	17,385.00
Water Works	227,378.33
City Debt.....	291,882.90
Interest.....	145,733 80
Temporary Loans	1,300,000.00
Sinking Funds....	32,300.00
Corporation Tax.....	10 99
County Tax	77,388.90
State Tax	95,121.46
National Bank Tax.....	12,341 31
Perry Street Extension	957 18
Water Works, Tewksbury Extension.....	15,074.72
Athletic Apparatus, No. and So. Commons.	217 60
Assessors, tax book.....	1,453.00
Watering Streets. abatements.....	16.50
Fire Department, underground wires	95.11
State Supervisors.....	848.00
Lowell Textile School.....	8,000.00
Memorial Day, G. A. R.....	1,000 00
S W. V.	200.00
Grade Crossings.....	322 08
Band Concerts	644.50
State Highway Tax	132.65
New Sidewalks.....	6,422.16
Lennox Street Stable	6,000.00
Memorial Stone at Provincetown.....	45.00
Ina Street Extension.....	199.91
Water Works, New Pump	2,171 02
School House Repairs	8,100.00
Macadamizing Streets	25,000.00
Centralville Fire House Land	919.60
Paving Moody Street	109.75

ACCOUNT OF TREASURER—Continued

Fire House Repairs.....	4,542.29	
Paving Central Street.....	7,854.40	
Municipal Registers	188.30	
City Hospital, new sheds	1,933.13	
	<hr/>	3,718,874.34
Cash balance, Dec. 31, 1907		380,716.69
		<hr/>
		<u>\$4,099,591.03</u>



REPORT OF THE COMMISSIONERS OF THE SINKING FUNDS FOR THE YEAR 1907.

Lowell, Mass., Jan. 1, 1908.

To the Honorable the City Council of Lowell:

Gentlemen :—The Commissioners of Sinking Funds of the City of Lowell have the honor to submit the following report of the several Sinking Funds of said City and of the Hapgood Wright Centennial Trust Fund for the year 1907.

Full value of all Sinking Funds Jan. 1, 1908.....	828,394.79	
Full value of all Sinking Funds Jan. 1, 1907.....	764,925.67	
	<hr/>	
Increase during the year 1907		63,469.12
		<hr/>
Value of Water Loan Sinking Funds Jan. 1, 1908.	510,678.93	
Value of Water Loan Sinking Funds Jan. 1, 1907.	473,908.75	
	<hr/>	
Increase during the year 1907.....		36,770.18
		<hr/>
Value of all other Sinking Funds Jan. 1, 1908	317,715 86	
Value of all other Sinking Funds Jan. 1. 1907	291,016.92	
	<hr/>	
Increase during the year 1907.....		26,698.94
		<hr/>
Total increase as above.....		63,469.12
		<hr/>
Value of the Hapgood Wright Centennial Trust Fund Jan. 1 1908.....	3,667.12	
Value of the Hapgood Wright Centennial Trust Fund Jan. 1, 1907.....	3,529.56	
	<hr/>	
Increase during the year 1907.....		137.56
		<hr/>

A statement of the receipts, payments and present value of the several Sinking Funds and a list of the securities in each fund follows :

Water Loan Sinking Fund

	Securities	Cash	Total
On hand Jan. 1, 1907.....	404,000.00	2,158.88	406,158.88
Received during 1907:			
Cash—Annual Appropriation.		16,000.00	
Income on Investment		17,605.00	
Income on Bank Deposits		209.32	
Securities matured or sold.....		11,500.00	
Securities bought in 1907	44,000.00		
		47,473.20	
Paid for Securities in 1907.....		45,745.88	
On hand Jan. 1, 1908.....	436,500.00	1,727.32	438,227.32
Increase during 1907.....			32,068.44

Securities belonging to this Fund :

4 City of Lewiston coupon bonds 5 per cent.....	4,000.00
9 Town of Sharon coupon bonds 4 per cent.....	9,000.00
12 Town of Athol coupon bonds 4 per cent.....	12,000.00
15 City of Portsmouth coupon bonds 4 per cent ..	15,000.00
14 City of Waterville coupon bonds 4 per cent. ..	14,000.00
5 City of Saginaw coupon bonds 4 per cent	5,000.00
1 City of Boston registered bond 4 per cent.....	61,000.00
1 City of Lowell note, 3½ per cent	2,500.00
15 Fitchburg R. R. coupon bonds 4 per cent.	15,000.00
8 C. B. & Q. Neb. Ext. R. R., coupon bonds 4 per cent.....	8,000.00
4 Illinois Central R. R., coupon bonds 4 per cent.	4,000.00
18 Portland & Ogdensburg R. R. coupon bonds 5 per cent.....	18,000.00
1 Boston & Maine registered bond 4½ per cent ..	10,000.00
30 Northwestern Union R. R. coupon bonds 7 per cent.....	15,000.00
9 New York, Lackawanna & Western R. R. coupon bonds 6 per cent ..	9,000.00
48 Town of Northfield coupon bonds 3½ per cent	24,000.00
3 Boston & Maine R. R. coupon bonds 4 per cent	3,000.00
50 Lowell & Suburban St. R. R. coupon bonds 5 per cent.....	50,000.00
2 St. Johnsbury & Lake Champlain R. R. coupon bonds 5 per cent.....	2,000.00

Water Loan Sinking Fund—Continued

15 Lynn & Boston St. R. R. coupon bonds 5 per cent	15,000.00	
20 Illinois Central R. R. coupon bonds 3½ per cent.....	20,000.00	
44 N. Y., N. H. & H., R. R. coupon bonds 4 per cent.....	44,000.00	
25 Boston Elevated coupon bonds 4 per cent	25,000.00	
8 C. B. & Q. R. R. coupon bonds 4 per cent.....	8,000.00	
15 Boston & Maine R. R. coupon bonds 4 per cent	15,000.00	
1 Town of Melrose registered bonds 4 per cent...	1,000.00	
28 City of New Bedford registered bonds 5 per cent.....	28,000.00	
	<hr/>	436,500 00
Cash on deposit in Appleton National Bank.....		1,727 32
		<hr/>
		438,227.32
		<hr/>

City Hall and Memorial Building Sinking Fund

	Securities	Cash	Total
On hand Jan. 1, 1907.....	183,500 00	2,967.85	186,467 85
Received during 1907:			
Cash—Annual Appropriation... ..		7,500 00	
Income on Investments.....		7,957.50	
Income on Bank Deposits		102.07	
Securities matured in 1907		7,500.00	
Securities bought in 1907..... ..	25 000,00		
	<hr/>	<hr/>	
		26,027.42	
Paid for Securities matured in 1907..		25,105.88	
	<hr/>	<hr/>	
On hand Jan. 1 1908	201 000.00	921.54	201,921.54
Increase during 1907.....			<hr/>
			15,453.69
			<hr/>

Securities belonging to this Fund:

5 City of Brockton coupon bonds, 4 per cent....	5,000.00
1 Town of Reading coupon bond, 4 per cent.....	1,000.00
5 Town of Wrentham coupon bonds, 4 per cent..	5,000.00
9 Town of Arlington coupon bonds, 4 per cent...	9,000.00
8 Town of Stoughton coupon bonds, 4 per cent ..	8,000.00
3 City of Saginaw coupon bonds, 4 per cent.	3,000.00

City Hall and Memorial Building Sinking Fund—Continued

6 Fitchburg R. R. coupon bonds, 4 per cent	6,000.00	
1 City of Boston registered bond, 4 per cent.	21,000.00	
1 City of Brockton registered bond, 4 per cent . . .	1,000.00	
10 C. B. & Q. R. R., coupon bonds, 4 per cent. . . .	10,000.00	
19 Illinois Central R. R. coupon bonds, 4 per cent	19,000.00	
7 N. Y. Lack. & Western R. R. coupon bonds, 6 per cent.	7,000 00	
7 City of Indianapolis coupon bonds, 4 per cent. . .	7,000 00	
1 City of Brockton registered bond, 4 per cent . . .	1,000.00	
6 Town of Northfield coupon bonds, 3½ per cent.	3,000 00	
11 Winona & St. Peter R. R. coupon bonds, 7 per cent.	11,000.00	
6 City of Malden coupon bonds, 4 per cent.	6,000.00	
10 Lynn & Boston St. R. R. coupon bonds, 5 per cent.	10,000.00	
5 N. Y., N. H. & H., R. R. coupon bonds, 4 per cent.	5,000.00	
5 Illinois Central R. R. coupon bonds, 3½ per cent.	5,000.00	
7 City of Portsmouth coupon bonds, 4 per cent. . .	7,000.00	
10 City of Augusta coupon bonds, 4 per cent.	10,000 00	
3 N. Y., N. H. & H., R. R. coupon bonds, 4 per cent.	3,000.00	
1 City of Lowell High School coupon bond, 4 per cent.	1,000.00	
2 C. B. & Q. R. R. coupon bonds, 4 per cent.	2,000.00	
10 Fitchburg R. R. coupon bonds, 4 per cent. . . .	10,000.00	
10 Boston & Maine R. R. coupon bonds, 4 per cent.	10,000.00	
4 Town of Melrose registered bonds, 4 per cent . .	4,000.00	
1 City of Providence registered bond, 4 per cent	10,000.00	
1 City of Providence registered bond, 4 per cent .	1,000.00	
	<hr/>	201,000.00
Cash on deposit in Appleton National Bank.		921.54
		<hr/>
		201,921.54

High Service Water Loan Sinking Fund

	Securities	Cash	Total
On hand Jan. 1, 1907.....	65,000.00	2,749.87	67,749.87
Received during 1907:			
Cash—Annual Appropriation.....		1,800.00	
Income on Investments.		3,035.00	
Income on Bank Deposits.....		66.17	
Securities matured or sold.....		5,000.00	
Securities bought in 1907.....	12,000.00		
		12,651.04	
Paid for Securities in 1907		12,199.43	
On hand Jan. 1, 1908.....	72,000.00	451.61	72,451.61
Increase during the year 1907.			4,701.74

Securities belonging to this Fund :

2 City of Beverly coupon bonds, 4 per cent	2,000.00	
1 City of Portsmouth coupon bond, 4 per cent. ..	1,000.00	
4 C. B. & Q. Neb. Ext. R. R. coupon bonds, 4 per cent.....	4,000.00	
4 Portland & Ogdensburg R. R. coupon bonds, 5 per cent.....	4,000.00	
7 Winona & St. Peter R. R. coupon bonds, 7 per cent.....	7,000.00	
2 New York, Lackawanna & Western R. R. coupon bonds, 6 per cent.....	2,000.00	
1 Boston & Maine R. R. coupon bond, 4 per cent	1,000.00	
2 Lowell & Suburban St. R. R. coupon bonds, 5 per cent.....	2,000.00	
5 N. Y., N. H. & H. R. R. coupon bonds, 4 per cent.....	5,000.00	
10 Boston Elevated coupon bonds, 4 per cent	10,000.00	
16 N. Y., N. H. & H. R. R. coupon bonds, 4 per cent.....	16,000.00	
6 C. B. & Q. R. R. coupon bonds, 4 per cent.....	6,000.00	
7 N. Y., N. H. & H. R. R. coupon notes, 5 per cent.....	7,000.00	
5 Town of Melrose registered bonds, 4 per cent ..	5,000.00	
		72,000.00
Cash on deposit in Appleton National Bank.		451.61
		72,451.61

Lowell High School Sinking Fund

	Securities	Cash	Total
On hand Jan. 1, 1907	59,500.00	976.21	60,476.21
Received during 1907:			
Cash—Annual Appropriation.....		3,000 00	
Income on Investments.		2,425.00	
Income on Bank Deposits. ...		45.01	
Securities bought in 1907.....	6,000.00		
		6,446.22	
Paid for Securities in 1907		6,035.00	
On hand Jan. 1, 1908.....	65,500.00	411.22	65,911.22
Increase during 1907.....			5,435 01

Securities belonging to this Fund:

1 City of Keene coupon bond, 4 per cent.	500.00	
7 City of Portsmouth coupon bonds, 4 per cent. ...	7,000.00	
5 City of Indianapolis coupon bonds, 4 per cent. .	5,000.00	
4 Fitchburg R. R. coupon bonds, 4 per cent.	4,000.00	
5 C. B. & Q. Neb. Ext. coupon bonds, 4 per cent. .	5,000.00	
7 Illinois Central coupon bonds, 4 per cent.	7,000.00	
2 City of Saginaw coupon bonds, 4 per cent.	2,000.00	
1 Boston & Maine R. R. coupon bond, 4 per cent	1,000.00	
5 N. Y., N. H. & H. R. R. coupon bonds, 4 per cent.	5,000 00	
1 N. Y., Lackawanna & Western R. R. coupon bond, 6 per cent.	1,000.00	
17 N. Y., N. H. & H R. R. coupon bonds, 4 per cent.	17,000.00	
5 C. B. & Q. R. R., coupon bonds, 4 per cent	5,000.00	
1 N. Y., N. H. & H. R. R. coupon note 5 per cent	1,000.00	
1 City of Lowell serial note, 4½ per cent.	1,500.00	
1 City of Lowell serial note, 4½ per cent.	3,500.00	
		65,500.00
Cash on deposit in Appleton National Bank.....		411.22
		65,911.22

New School Houses Sinking Fund

	Securities	Cash	Total
On hand Jan. 1, 1907.....	43,000.00	1,072.86	44,072.86
Received during 1907:			
Cash—Annual Appropriation.....		4,000.00	
Income on Investments.		1,775.00	
Income on Bank Deposits.....		26.35	
Securities bought in 1907.....	6,000.00		
		6,874.21	
Paid for Securities in 1907		5,991.11	
On hand Jan. 1, 1908	49,000.00	883.10	49,883.10
Increase during 1907.....			5,810.24

Securities belonging to this Fund:

8 City of Indianapolis coupon bonds, 4 per cent..	8,000.00	
3 C. B. & Q. Neb. Ext. R. R. coupon bonds, 4 per cent.....	3,000.00	
5 Illinois Central R. R. coupon bonds, 4 per cent	5,000.00	
2 Winona & St. Peter R. R., coupon bonds, 7 per cent.....	2,000.00	
1 N. Y. Lackawanna & Western R. R. coupon bond, 6 per cent.....	1,000.00	
4 Boston & Maine R. R. coupon bonds, 4 per cent	4,000.00	
5 N. Y., N. H. & H. R. R. coupon bonds, 4 per cent.....	5,000.00	
1 City of Minneapolis registered bond, 3½ per cent.....	10,000.00	
1 City of Lowell High School coupon bond, 4 per cent.....	1,000.00	
3 C. B. & Q. R. R. coupon bonds, 4 per cent....	4,000.00	
1 N. Y., N. H. & H. R. R. coupon note 5 per cent	1,000.00	
5 Town of Melrose registered bonds, 4 per cent ..	5,000.00	
		49,000.00
Cash on deposit in Appleton National Bank.....		883.10
		49,883.10

Hapgood Wright Centennial Trust Fund

On hand Jan. 1, 1907.....	3,529.56	3,529.56
Received during 1907:		
Cash—Interest on Bank Deposits	137.56	3,667.12
On hand Jan. 1, 1908.....		3,667.12
Increase during 1907		137.56

Securities belonging to this Fund:

Cash deposited in Lowell Institution for Savings.	735.94	
Cash deposited in City Institution for Savings ...	2,931.18	3,667.12

Respectfully submitted,

AUSTIN K. CHADWICK,
FRED A. BUTTRICK,
CHARLES L. KNAPP,

Commissioners of Sinking Funds for the City of Lowell for the year 1907.



Lowell, Mass., Jan. 1, 1908.

To the Honorable the City Council of Lowell:

Gentlemen: I have the honor to submit the following statement of special funds in my hands, deposited for perpetual care of lots in the public burial grounds of the City of Lowell:

On hand Jan. 1, 1907..... \$45,675.00

Received during the year from:

Stephen T. Whittier, Adm.....	100.00
Ida A. Walker.....	100.00
Charles E. Smart.....	100.00
James H. Mills.....	100.00
Herbert T. Hadley, Exr.....	100.00
E. W. Tallant.....	100.00
Alvina Hathaway.	100.00
William D. Large.....	100.00
Charles H. Fenderson.....	100.00
Charles J. Hamblett, Exr.....	200.00
Letitia G. Gifford, Admx	100.00
Robert Payton.....	100.00
James E. Dugdale, Exr.....	100.00
John J. Pickman, Exr.....	100.00
Lydia M. Locke.....	100.00
George H. Taylor.....	100.00
William E. Walsh.....	100.00
D. B. Bean.....	100.00
Annie M. Coburn.....	100.00
Mary R. Davis.....	100.00
Martin E. Pihl	100.00
George W. Fuber.....	100.00
Albert F. Grant.....	100.00
Margaret L. Shirley.....	100.00
Walter L. Parker and Albert T. L. Davis.....	300.00
E. J. Edmands.....	100.00
Carrie A. Stevens.....	100.00
Emma J. Field.....	100.00

\$52,775.00

The following amounts are invested as follows :

City Institution for Savings.....	7,100.00	
Washington Savings Institution.....	7,550.00	
Savings Dept. Traders National Bank.....	5,700.00	
Merrimack River Savings Bank.....	6,700.00	
Mechanics Savings Bank	6,700.00	
Lowell Institution for Savings.....	5,800.00	
Central Savings Bank.....	7,000.00	
Lowell Five Cent Savings Bank.....	6,225.00	
	<hr/>	52,775.00

Respectfully submitted,

ANDREW G. STILES,

City Treasurer and Collector of Taxes.



ACCOUNTANT'S REPORT

LOWELL, MASS., March 31st, 1908.

To the Account Committee,
 Arthur L. Gray, Chairman,
 Lowell, Mass.

My Dear Sir :

Having completed my examination of the books and accounts of the City Treasurer and of the several other Departments for the year 1907, I have the honor to submit the following report:

Cash in Treasurer's office at close of business February 5th, 1908, verified by actual count.....		\$13,056.57
Money deposited in banks, as certified by the accompanying letters:		
Lowell Trust Company.....	\$359,828.46	
Less checks outstanding.....	14,409.59	
		345,418.87
Union National Bank.....		11,608.21
		<hr/>
Total		370,083.65
Cash balance at close of business, Feb. 5 1908		370,083.65

The debit entries were checked from the books of original entry as far as possible. The credit entries and the coupon payments for the year were examined and found to be correct; also the unclaimed cash and checks on hand were verified.

An examination of the taxes and water rates was made, and a trial balance taken in each case, and they were found sufficiently close to vouch for their correctness.

The City Cemetery account, the accounts of the Treasurer of the City Library funds, also the City Treasurer's statement relating to funds for care of lots in public burying grounds, and all departments receiving money in behalf of the City Treasurer, were verified and found correct.

I examined the accounts of the several sinking funds and found them correct.

In addition to the above report, I would recommend a change from the present method of making Department Collections, and would suggest that these items be recorded in the same manner as other assessments in the City Auditor's office.

I would also state that I find a pronounced change for the better under the present system of bookkeeping at the City Cemetery.

Respectfully submitted,

MILES G. GARDNER,

Accountant.

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THIRTY-FIFTH
ANNUAL REPORT
OF THE
Lowell Water Board

TO THE
City Council of the City of Lowell, Mass.

AND THE
Reports of the Superintendent of Water Works
and of the City Engineer to the
Water Board for 1907



LOWELL, MASS.
BAKER PRINTING COMPANY.
1908.

WATER DEPARTMENT, 1907.

WATER BOARD

ISAAC E. WOTTON, President

Term expires second Monday in March, 1909.

FRANK L. WEAVER,

Term expires second Monday in March, 1908.

JAMES G. HILL,

Term expires second Monday in March, 1910.

ROBERT J. CROWLEY,

Term expires second Monday in March, 1911.

JOHN W. CRAWFORD, Secretary and Clerk,

ROBERT J. THOMAS, Superintendent.

ROBERT GARDNER, Assistant Superintendent.

GEORGE BOWERS, City Engineer.

D. B. H. BARTLETT, Engineer.
THOMAS McLAUGHLIN, Engineer.
FRED A. COX, Keeper Reservoir.
THOMAS F. DOYLE, Foreman.

WILLIAM JOYCE, Assistant Foreman.
DANIEL CORCORAN, Meter Inspector.
THOS. HOLLAND, Hydrants and Gates.
EDWARD WALSH, Services.

OFFICE

GEORGE E. WORTHEN, Service Clerk. GERTRUDE W. BYAM, Bookkeeper.
JULIA J. RAFTER, Assistant Bookkeeper.
ALICE T. MCCARTHY, Assistant Bookkeeper.

INSPECTORS

JOHN F. EGAN. JOHN F. LOWNY.
EDWARD J. BOYLE. CHAS. P. LYNCH.
WALTER P. WILEY.

Report of the Water Board

OFFICE OF THE WATER BOARD,
CITY HALL.

LOWELL, MASS., January 1, 1908.

*To His Honor the Mayor and the City Council of the
City of Lowell:*

Herewith is presented the thirty-fifth annual report of the Water Board for the year ending December, 31, 1907.

The work of laying pipe in the newly acquired territory in the "Tewksbury Annex" was continued and the whole section is now supplied with city water. The appropriation for this work by City Council was \$58,000.00 and there is a balance remaining of \$2,276.22. There has been laid 15,308 ft. of main pipe from 1 1-2 in. to 12 in. and 205 services, 7,748 ft. in length, 45 hydrants and 67 gates and this section of the city is now well served and should not be in need of any additional extension of water pipe for a long time.

At the annual meeting March 11, the Board organized by choice of Mr. Isaac E. Wotton as President and Robert J. Thomas was re-elected Superintendent. The personelle of the Board remained the same, Mr. Robert J. Crowley having been re-elected by the City Council for another term to succeed himself.

At this meeting a proposition was received from the Lowell Institution for Savings to sell to the city land on the Boulevard adjoining the well plants; at a subsequent meeting it was voted not to accept the proposal.

On April 30 a contract was made with the N. Y., N. H. & H. R. R. to build a side track from the main track of the Railroad Company for about 1065 ft. to the Cook Plant Pumping Station, where a pipe yard has been established, and by this track, pipe and coal can be delivered on the premises. The contract requires the "City to pay the Railroad Company the entire cost and expense of all labor performed and materials furnished in the construction of said side track. The Railroad Company agreeing to refund to City the cost of constructing so much of said side track as is located on land of the Railroad Company, at such time when the freight consigned to and from the City and handled on such side track shall have amounted to 150 carloads, and thereupon so much of said side track shall become and remain the property of the Railroad Company." We have now a well appointed pipe yard on land of the Department where the Watchman at the Pumping Station will be able to look after the property in the yard and keep account of what may be taken away.

The procuring of good coal is one of the most difficult problems that this board has to contend with; there is such a wide variation in the quality of the various coals that it

is difficult to always secure the highest efficiency. Coal is purchased on the statement of the Selling Agent as to its quality or on the reputation of the mine or district from which it comes. It would be well if there were established a standard of quality based on the heat units it contains and the price to be paid if the fuel is either better or poorer than guaranteed, and if uniformly poorer, to cancel the contract.

In February 1,000 tons of New River Steam at \$5.50 per ton and in May 4,000 tons Carbon No. 1 at \$5.22 per ton for 3600 tons and \$5.03 per ton for 400 tons, were contracted for and will be sufficient to last well into the first quarter of 1908.

This last requisition for coal called forth a protest from the dealers as the call was for C. C. B. Pocahontas or New River Consolidated Coal and Coke Co.'s New River Coal and there was no agent in Lowell for the Consolidated Co.'s coal. A conference was asked for by the dealers and granted them by the Board on April 30, to confer as to quality of various coals. No suggestions were offered or recommendations made as to making of requisitions for coal by Water Board. As one dealer expressed it when asked for an opinion, "He had nothing to offer; was present just to see what chance there was for him to get his kind of coal called for."

Early in January the Shaw Stocking Co. made a request for permission to extend the fire service pipe to the new mill recently erected. They were informed that if they would conform to the rules relating to the use of meters on private fire services, their request could be granted. This they were unwilling to do in so far as being obliged to pay for the meters—they were not

opposed to meters being set on the fire services, if furnished at the City's expense ; this the Water Board could not consistently do as all others who had been required to put on meters had paid for them. The Company thereupon went ahead one night and shut off the water in the street, connected their pipes in their yard and let on the water again. The Superintendent advised them April 26, 1907, that unless they made application for meters for their unmetered services by May 6, the water would be shut off from all such services. Whereupon the Shaw Co. applied to the Court for an injunction to restrain the shutting off of the water there. Hearings were held at Cambridge before Judge Henry A. King, whose finding is as follows :

REPORT OF FACTS.

"I hereby report the material facts found by me in the above entitled action, upon the trial thereof.

Plaintiff is a corporation located in the City of Lowell, this Commonwealth, and is engaged in the manufacture of hosiery therein, and owns and operates several mills equipped with valuable machinery and employing several hundred operatives.

Plaintiff has fire service water pipes laid in and through its principal mills, equipped with a private system of automatic sprinklers, hydrants and fire-hose, and constituting a supplementary system of fire protection. This automatic sprinkler system is, and for several years has been, connected with defendant's water mains, laid and maintained by defendant in its streets in the immediate vicinity of plaintiff's mills ; and this system is operated by plaintiff with water from defendant's water mains.

As thus operated it has been of great value to plaintiff, and has substantially reduced its fire risk and its insurance rate. About a hundred other persons, firms, and corporations in the City of Lowell have and maintain similar automatic sprinkler systems for supplementary fire protection in their works and manufacturing plants, and all or most of them are connected with defendant's water mains and are supplied with water therefrom for fire protection purposes.

Defendant has not heretofore required payment from plaintiff, or from others, for water used in extinguishment of fires; nor does it purpose so to do in the future.

September 22, 1903, defendant, through its Water Board, adopted rules or regulations, including the following material to the issue in this case, viz: 'No fire service pipe shall be laid into the premises of any corporation, firm or individual having connected therewith, directly or indirectly, supplementary or secondary fire service consisting of fire pump, cistern, tank, stand-pipe or other apparatus excepting where such fire pumps, cistern, tank, standpipe, etc., is supplied with water from the city water works system and subject to the following regulations:

1st. All water for fire service pipes shall be metered; meter to be furnished and set by city at the owner's expense. No charge shall be made, however, for the water used exclusively for the extinguishing of fires.

2nd. All main pipes for fire service shall be furnished and connected by the city at the expense of the owner.

* * * * *

7th. All expenses not mentioned herein, incurred on account of fire services, shall be borne by the corporation, firm or individual owning the protected premises.

8th. The Water Board shall have the power from time to time to prescribe whatever other rules they may deem necessary.'

Since the adoption of the foregoing rules defendant's Water Board has undertaken to gradually put in force the requirement for metering of fire service pipes at the expense of the owners of the protected premises, taking the more important or the worst cases first; but I find no evidence of intentional discrimination by defendant's Water Board in the enforcement of any of the foregoing rules, nor do I find any bad faith in respect thereof. One of the principal objects of defendant's Water Board in enforcing compulsory metering of fire service pipes is to prevent the surreptitious or careless withdrawal of water through said pipes for other than fire extinguishment purposes; and another object is that substantially all consumption of water shall be metered, and wastage checked.

The average daily consumption of water from defendant's mains last year was a little over 5,000,000 gallons, which was the lowest for years, and is claimed by defendant to be due to the compulsory metering of consumption and the checking of waste thereby.

April 26, 1907, defendant's Water Board, acting under the rules or regulations above quoted, notified plaintiff that all unmetered pipes entering its premises, and connected with defendant's water mains must have meters attached thereto at plaintiff's expense, and on or before May 6, 1907; and that in default thereof defendant

would cut off all such connections and would not reconnect until its rule or regulation in that behalf was complied with.

Thereupon plaintiff refused to comply with said regulation of defendant's Water Board, and brought its bill of complaint in this action May 3, 1907, praying amongst other things that said rule or regulation of defendant's Water Board be adjudged void, and that defendant be enjoined from enforcing the same, and from cutting off plaintiff's fire service connections with defendant's water mains, and from interfering with the flow of water therein, and for other relief.

Unless plaintiff's fire service system is metered, as required by defendant's Water Board, water can be drawn therefrom by plaintiff's servants without the knowledge of defendant, and for other purposes than extinguishment of fires; and it is liable to be so drawn, though such action is not anticipated by defendant's Water Board under plaintiff's present management. Defendant has heretofore experienced such loss or wastage of water from the unmetered fire service of certain concerns other than plaintiff. Defendant has six fire hydrants within a hundred yards of plaintiff's premises and a water main on each side thereof, and defendant is ready to put in more fire hydrants if needed. All of these hydrants are located in defendant's streets and they are entirely under the control of defendant's Water Board. Defendant has never failed or refused to furnish plaintiff adequate fire protection, either in respect of fire hydrants, or water supply or adequate pressure in its water mains, and plaintiff has no reason to apprehend such failure in the future.

At the time of the commencement of this action plaintiff's private fire system had three inlets from, or connections with, defendant's water mains; but I find that a rearrangement thereof could be made at reasonable expense whereby two such connections would be sufficient and would not substantially impair the efficiency of plaintiff's private fire system. And the installation by the plaintiff of two meters upon its private fire system, substantially in compliance with the rules of defendant's Water Board, would involve an expense to plaintiff not exceeding nine hundred dollars.

Defendant is under no legal obligation, by contract or otherwise, to furnish plaintiff with water for its private fire service system.

Plaintiff has its own private source of supply for water needed by it in its manufacturing business. It has a tank capacity of 80,000 gallons and a pump capacity of 10,000 gallons per hour, for this water. It has a fire pump and fire hose equipment. The plaintiff claims that its private water supply is not adequate for its manufacturing purposes and for its fire service system; but I am not able to so find. Some other large concerns in Lowell, having private fire service systems feed the same from their private water supply. Adequate pressure for fire service system can be furnished by plaintiff's fire pump.

The ordinary pressure upon defendant's water mains in the neighborhood of plaintiff's mills is approximately fifty-five pounds.

Defendant is under no obligation to plaintiff to maintain a pressure upon its water mains at plaintiff's

plant, such as plaintiff needs for its private fire service system.

I do not find it unreasonable, under the circumstances disclosed by the evidence that defendant's Water Board should require the metering of all water furnished or fed to fire service pipes in manufacturing plants like plaintiff's, and that this should be done at the expense of the owner or tenant of the protected premises.

I am of the opinion that the rules or regulations of defendant's Water Board in that behalf were within its power and discretion to enact and to enforce; and the enforcement thereof by defendant will not endanger plaintiff's property or the lives of its employees; and defendant's action in the premises is not unreasonable, or arbitrary, or oppressive.

Plaintiff, upon the evidence, has not made out a case for equitable relief."

(Signed) HENRY A. KING, J. S. C.

Filed August 23, 1907.

After lying dormant for two years, the necessity for a new pump at the Boulevard Station was again taken up and a call for bids was issued on July 12 and the bids were opened on July 27 in the presence of Mayor Farnham, President of Common Council Leighton, Messrs. Wotton, Weaver and Hill and representatives of the Companies bidding.

The bids received were as follows :

Bethlehem Steel Co.	\$51,800.00	delivered in 20 months
Allis-Chalmers Co.	31,000.00	delivered in 9 months
Holly Manuf'g Co.	26,900.00	delivered in 5 months

The bids were taken under consideration and on August 12 at a meeting of the Board it was voted to award the contract to the Holly Manuf'g Co., requiring them to furnish a bond for \$14,000.00 for fulfillment of contract. The Company later made a protest against clause in the contract which exacts a penalty of Fifty (50) dollars per day beyond stipulated time for completion of pump. This protest was finally compromised by making the penalty Twenty-five (25) dollars per day for two months and Fifty (50) dollars per day thereafter. The contract was signed August 23rd, and approved by the Mayor and the City Solicitor. It may be well to compare the prices bid with those of two years ago.

In 1905 the bids were

Holly Manuf'g Co.	- -	\$19,700.00
William Todd Co.	- -	24,000.00
Allis-Chalmers Co.	- -	23,700.00

showing that the Holly Co. bid increased - \$7,200.00
 and the Allis-Chalmers Co. " " - 7,000.00
 while the Wm. Todd Co. did not submit a bid this year, they advised us that their engine would cost about \$30,000.00 and as they understood the appropriation was limited to \$25,000.00, thought it useless to bid. It will be seen that there was a consistent increase in the several bids, and that any criticism for the increased cost of the pump and the additional expense of excess coal used for two years should be placed where it belongs and not on the Water Board who made an honest and business like attempt two years ago to install economical and up-to-date pumping machinery at the Boulevard Station.

The iron smoke stack at the Boulevard Lower Station

was blown down by the wind in August and it was considered to be more economical to erect one of brick. Bids were called for on August 30th for a brick chimney 80 ft. high and 42 inches in diameter, and for raising building in preparation for new pump; separate bids were asked, but the Contractors included both in one sum, as follows:

	Raising Building	Chimney	Total
P. O'Hearn	\$387.00	\$1,637.00	\$2,024.00
P. Conlon	_____	_____	1,555.00
J. H. Walker	_____	_____	1,997.00
G. L. Fowler	545.00	_____	_____

The contract for both jobs was awarded to P. Conlon after dividing his bids to \$255.00 for raising building and \$1,300.00 for chimney.

On October 18th bids were called for to furnish a new Cast Iron valve chamber for the Morris Engine, resulting as follows:

American & British Mfg. Co.	erected complete	\$ 950.00
G. F. Blake Mfg. Co.	" "	1,025.00
The Lumsden & Van Stone Co.	delivered Lowell	418.00

The Lumsden & Van Stone Co. subsequently proposed to erect the casting in place for \$95 00 additional, making the total cost by their bid, \$513.00, and contract was awarded to them.

On January 15th, Mr. George F. Tilton resigned as Inspector of Meters, and Mr. Charles P. Lynch was elected from the Civil Service list in his place. Mr. Tilton was elected an Inspector in March 1893 and has been for fifteen years a faithful and painstaking employee of this Department, and the Board was glad to give him a vote of thanks for his work as inspector in this Department.

The finances of this Department show an increase of \$14,425.19 in charges for water and \$3,624.18 in miscellaneous charges and total receipts increased \$9,386.70. Expenditures increased \$20,232.18.

Charges for water	\$220,950.17
“ “ labor and material	20,650.60
“ brought from 1906 Account	4,099.86
	<hr/>
	\$245,700.63

Paid in 1906 Acct.	256.90
“ “ 1907 “	220,842.64
Discounts	19,997.33
Abatements	1,279.72
Due	3,324.04
	<hr/>
	\$245,700.63

The final payment of \$4,100.00 was made on Driven Well Loan of 1898 for Boulevard Wells. No more loans will expire until 1910 when the final payments will be made on two loans amounting to \$12,500.00 annually.

The Balance January 1st, 1907, \$	25,101.61	
Receipts	220,842.64	
	<hr/>	\$245,944.25
Expended	227,378.33	
For New Pump	2,171.02	
Balance January 1st, 1908	16,394.90	
	<hr/>	\$245,944.25

There has been expended this year from the Tewksbury Extension appropriation \$15,074.72, leaving a bal-

ance January 1st, 1908, of \$2,276.22. With the work completed this balance should be returned to the regular Water Works Account.

To January 1st, 1908, \$2,171.02 has been expended of the new pump appropriation of \$30,000.00 granted by the City Council for that purpose from the Water Works funds.

\$19,300.00 was paid on the debt, leaving total debt \$1,136,800.00 with Sinking Fund of \$510,678.93.

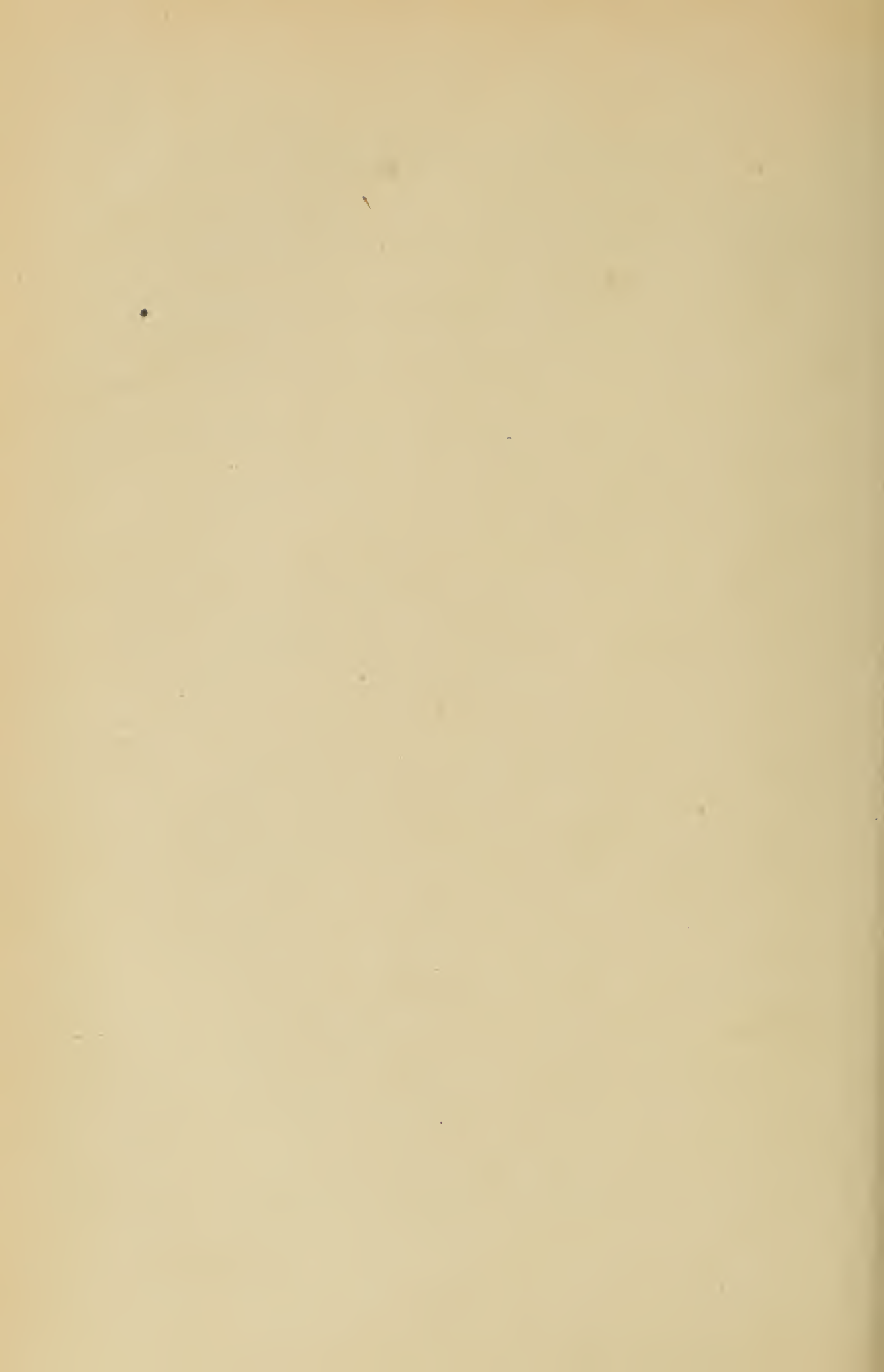
The reports of the Superintendent and City Engineer herewith give in detail the work of the year.

ISAAC E. WOTTON.

FRANK L. WEAVER.

ROBERT J. CROWLEY.

JAMES G. HILL.



LOWELL WATER WORKS OFFICE,
January 1, 1908.

TO THE LOWELL WATER BOARD:

Gentlemen,—Herewith I submit figures detailing the finances of the Lowell Water Works for the year ending December 31st, 1907.

J. W. CRAWFORD,
Clerk.

FINANCIAL STATEMENT — LOWELL WATER WORKS, 1907.

TABLE I.	CHARGES				RECEIPTS BY ACCOUNTS				
	WATER		Total	Other than Water	Total 1907	Receipts	Discount	Abatement	Due
	Rate	Metered							
Transfer.....	.....	.....	.....	.....	\$ 4,099 86	\$ 1,959 48.	.....	\$379 11	\$1,561 27
January.....	.....	\$34,229 85	\$34,229 85	\$3,438 13	37,658 98	34,209 29	\$3,056 15	66 79	83 10
April.....	.....	44,059 57	44,059 57	1,703 00	45,762 57	41,535 99	4,100 67	50 01	62 65
May.....	\$32,576 28	.....	32,576 28	.....	32,576 28	29,671 56	2,679 98	211 74	13 00
July.....	502 06	65,358 56	65,860 62	5,197 84	71,058 46	64,380 09	6,087 57	305 68	285 12
October.....	150 76	44,082 09	44,232 85	9,301 48	53,534 33	48,084 66	4,064 38	266 39	1,118 90
Jan'y '08 ac. ....	.....	.....	.....	.....	.....	1,001 57	8 58	.....	.....
Total.....	\$33,229 10	\$187,721 07	\$220,950 17	\$19,640 45	\$244,090 48	\$220,842 64	\$19,997 33	\$1,279 72	\$3,324 04

FINANCIAL STATEMENT — LOWELL WATER WORKS, 1907. — OUTGO.

TABLE
II.

	Pay Roll and Salaries	Water Works Supplies	Interest and Principal	Refund and Vacancies	General Expenses	Stable Dept.	Fuel	Total 1907	Total 1906
January.....	\$6,227 52	\$2,932 49	.....	\$ 21 34	\$123 21	\$ 98 65	.....	\$ 9,403 21	\$ 9,358 64
February.....	6,008 66	2,438 86	\$ 1,700 00	12 60	300 77	381 23	\$1,629 95	12,502 07	9,106 21
March.....	7,677 15	3,034 55	.....	6 30	173 49	74 45	2,331 55	13,297 49	14,082 86
April.....	6,272 02	12,788 22	20 00	263 45	286 93	34 65	1,772 91	21,438 18	10,817 06
May.....	6,923 37	4,561 95	15,658 88	77 27	127 37	49 20	2,462 80	29,861 02	29,960 47
June.....	8,792 48	2,126 71	18,760 00	144 82	370 50	181 41	3,971 33	21,847 28	23,062 57
July.....	7,888 58	2,374 55	.....	72 67	101 00	67 30	2,483 42	25,487 32	30,838 49
August.....	9,680 69	3,207 18	1,400 00	102 43	160 38	367 96	1,876 38	16,495 32	15,215 85
September.....	7,001 18	2,429 04	.....	74 17	114 24	125 55	2,697 06	13,044 84	11,118 78
October.....	6,980 28	1,494 83	6,820 00	108 33	85 76	102 91	1,672 80	17,265 41	12,917 25
November.....	8,801 42	4,192 26	19,638 87	45 98	264 79	170 10	1,012 29	34,122 71	30,291 84
December.....	6,890 72	1,642 12	1,840 00	13 12	61 14	110 80	2,055 58	12,613 48	10,376 13
Total.....	\$89,747 07	\$63,232 87	\$65,537 75	\$942 98	\$2,486 78	\$1,764 24	\$23,966 67	\$227,378 33	\$207,146 15

FINANCIAL STATEMENT — LOWELL WATER WORKS, 1907.

SUB-DIVISION OF "OTHER THAN WATER CHARGES" FROM TABLE I.

TABLE III.	Meters Sold	Expense Setting Meters	Repairs to Meters	New Services	Changed Services	Labor and Material	Shut-off Fee	Interest	Total 1907	Total 1906
January.....	\$1,887 00	\$237 63	\$174 31	.....	\$283 60	\$ 855 59	.....	.....	\$3,438 13	\$3,394 09
April.....	446 00	42 48	385 35	\$ 113 36	29 60	686 21	.....	.....	1,703 00	6,145 96
July.....	2,458 50	293 40	552 24	737 02	480 41	599 68	\$ 4 00	\$ 72 59	5,197 84	3,816 35
October.....	2,951 75	188 60	384 25	1,417 30	406 97	3,516 35	18 00	418 26	9,301 48	2,659 87
Total.....	\$7,743 25	\$762 11	\$1,496 15	\$2,267 68	\$1,200 58	\$5,657 83	\$22 00	\$490 85	\$19,640 45	\$16,016 27

FINANCIAL STATEMENT — LOWELL WATER WORKS, 1907.

SUB-DIVISION OF "PAY ROLL AND SALARIES" FROM TABLE II.

TABLE IV.	Salaries	Meter Work	Office and Inspect'r's	Extension and C'nstr'ct'n	Engineer- ing	Cent'ville Pumping Station	Cook Pumping Station	Boulevard Pumping Station	New Services	Changed Services	General Maint'n'ce	Total 1907	Total 1906
January.....	\$283 36	\$247 63	\$646 50	\$165 40	\$264 05	\$581 19	\$ 35 23	\$614 72	\$ 43 29	\$ 54 68	\$3,191 47	\$6,227 52	\$5,684 36
February...	283 36	265 21	645 54	139 11	108 20	696 54	236 87	615 81	.....	.....	3,018 02	6,008 66	5,393 28
March.....	283 36	494 27	842 10	138 29	43 27	835 40	341 90	832 29	12 00	4 50	3,829 77	7,677 15	6,630 22
April.....	283 36	284 76	662 72	274 52	41 00	688 22	5 00	672 08	169 77	171 03	3,019 56	6,272 02	6,928 72
May.....	283 36	289 77	662 72	620 56	24 74	685 97	.....	672 00	264 27	199 37	3,220 61	6,923 37	7,697 85
June.....	383 36	408 98	828 40	908 06	34 09	858 24	.....	802 46	241 89	124 66	4,302 34	8,792 48	9,962 37
July.....	283 36	292 00	664 68	599 91	29 84	725 56	.....	649 80	265 23	147 73	4,230 47	7,888 58	8,699 29
August.....	283 36	357 00	833 30	332 69	79 02	898 01	263 00	793 82	348 74	166 25	5,325 50	9,680 69	8,122 18
September..	283 36	292 75	666 64	784 70	69 96	713 04	354 13	625 86	163 40	148 02	3,532 32	7,604 18	8,010 35
October.....	283 36	276 53	682 92	287 13	92 87	674 22	356 00	607 82	330 13	64 60	3,324 70	6,980 28	5,942 05
November..	283 36	339 75	914 70	522 37	115 00	859 65	438 55	714 83	251 78	114 00	4,247 43	8,801 42	6,282 20
December..	283 04	248 47	806 01	408 81	.....	758 23	142 00	838 38	162 38	68 75	3,174 65	6,890 72	7,561 38
Total..	\$3,400 00	\$3,767 12	\$8,856 23	\$5,201 55	\$902 04	\$9,074 27	\$2,172 68	\$8,439 87	\$2,252 88	\$1,263 59	\$44,416 84	\$89,747 07	\$86,914 25

TABLE V.
FINANCIAL STATEMENT
LOWELL WATER WORKS, 1907.

SUB-DIVISION "WATER WORKS SUPPLIES" FROM TABLE II.

Supplies, Centralville Station.....	\$ 1,281 69
Supplies, Cook Plant.....	372 49
Supplies, Boulevard.....	834 96
Cast Iron Pipe and Specials.....	12,515 39
Hydrants, Gates and Boxes.....	4,291 39
Service Pipe and Boxes.....	6,338 40
Meters.. ..	7,764 27
Machinery and Tools.....	982 18
Brass Foundry.....	489 66
Miscellaneous.....	8,382 44
	<hr/>
	\$43,252 87

TABLE VI.

FINANCIAL STATEMENT

LOWELL WATER WORKS, 1907.

DETAIL OF "PRINCIPAL AND INTEREST" FROM TABLE II.

	Amount of Debt Jan. 1, 1907	Rate	Interest Paid 1907	Paid on Notes 1907	Amount of Debt Jan. 1, 1908
Water Loan Bonds...	\$1,000,000 00	4	.....	.....	\$1,000,000 00
1 Coupon, No. 31..... May 1, 1906	.....	.....	\$ 20 00	.....	.....
40 Coupons, No. 32..... Nov. 1, 1906	.....	.....	800 00	.....	.....
990 Coupons, No. 33... May 1, 1907	.....	.....	19,800 00	.....	.....
967 Coupons, No. 34... Nov. 1, 1907	.....	.....	19,340 00	.....	.....
High Service Bonds.	75,000 00	4	.....	.....	75,000 00
15 Coupons, No. 51.... May 1, 1907	.....	.....	1,500 00	.....	.....
15 Coupons..... Nov. 1, 1907	.....	.....	1,500 00	.....	.....
NOTES	20,000 00	4	800 00	\$5,000 00	15,000 00
	30,000 00	4	1,200 00	7,500 00	22,500 00
	27,000 00	4 1-8	1,113 75	2,700 00	24,300 00
	4,100 00	4	164 00	4,100 00	.....
	\$1,156,100 00		46,237 75	\$19,300 00	\$1,136,800 00

TABLE VII.
FINANCIAL STATEMENT
LOWELL WATER WORKS, 1907.

MAINTENANCE AND CONSTRUCTION ACCOUNT.

MAINTENANCE.

Paid for labor :

Salary of Water Board.....	\$ 1,600 00
Salary of Superintendent.....	1,800 00
Office and Inspectors.....	8,856 23
Pumping Stations.....	19,686 82
Meter Work.....	3,767 12
Engineering.....	902 04
General Maintenance.....	45,680 43

Paid for material :

Output as per stock book.....	4,555 45
General expense.....	10,549 22
Stable.	1,764 21
Pumping Stations.....	2,489 14
Fuel	23,966 67
Interest	46,237 75

\$171,855 08

CONSTRUCTION.

Paid for labor.....	\$ 7,454 43
Output as per stock book.....	10,385 66
Payment on loans.....	19,300 00

\$37,140 09

TABLE VIII.
FINANCIAL STATEMENT
LOWELL WATER WORKS, 1907.
TEWKSBURY EXTENSION ACCOUNT.

Bal. Jan. 1, 1907.....		\$17,350 94
Expended :		
For labor.....	\$8,442 31	
For cast iron pipe.....	6,389 17	
For lead.....	114 90	
Miscellaneous.....	128 34	
	—————	\$15,074 72
Balance Jan. 1, 1908.....		\$2,276 22

TABLE IX.
FINANCIAL STATEMENT
LOWELL WATER WORKS, 1907
NEW PUMP CONTRACT

Amount appropriated.....		\$30,000 00
Expended :		
For Labor.....	\$1,493 86	
For Foundation, etc.....	517 66	
Miscellaneous.....	159 50	2,171 02
	<hr/>	<hr/>
Bal. app. available Jan. 1, 1908.....		\$27,828 98

Superintendent's Report.

LOWELL, MASS., January 1, 1908.

To the Lowell Water Board :

GENTLEMEN :—Hereby is presented the Annual Report of the Superintendent of Water Works for the year ending December 31st, 1907.

CONSTRUCTION.

The extension of the Water Works system to that section of Lowell recently annexed from Tewksbury has been completed, and all the main pipe called for in that section has been laid, some of it at very great expense on account of ledge and rock encountered in many of the streets, particularly in Wigginvile.

In connection with this work, by extending the main from Lawrence Street through Boylston Street over tracks of the Boston & Maine Railroad and connecting with old street main leading from Rogers Street,

a double supply was established with those parts of Tewksbury Annex known as "South Lowell" and "Wigginville" and it also reinforces the system of mains supplied previously from Rogers St. alone. Hydrants have been placed where needed on the different streets, so that all property contained in the new section of the city is fully protected in case of fire as far as water supply is concerned. Andover St. beyond Butman Road has a connection with the High Service system of the city which can be turned on when necessary. On the whole, no part of the city is any better provided with the advantages of the Water Works than this latest addition to the city. Cost of this work to date, \$55,723.78. Pipe laid 10,718 feet, from four to twelve inches in size.

EXTENSION IN THE CITY PROPER.

Every extension voted by Your Honorable Body has been laid, amounting to 5,016 ft. of pipe and 21 gates, including new 24 in. gate on East Merrimack St., opposite High St. 32 gates were set on the Tewksbury Extension, making a total of 53 gates set on a total of 15,730 ft. of street mains, laid in the entire city during the year. The expenditure for labor on main pipe extensions, exclusive of Tewksbury Extension, (\$5,201.55) was less than one-half of the previous year (\$11,880.41).

The outlay for cast iron pipe (\$12,515.39) was very much in excess of the previous year, due to larger quantity purchased and to the greatly increased price of pipe. At present we have in stock twenty-five tons of 6 inch

and seventy tons of 8 inch pipe—enough to lay fourteen hundred feet of the first size and twenty-seven hundred feet of the latter size.

FIRE HYDRANTS.

During the year twenty-five hydrants were set, thirteen of them on the Tewksbury Extension, making a total of 1,211 now in service. Of this number, there are still 370 flush hydrants. These are being gradually replaced by post hydrants.

HYDRANTS, JANUARY 1st, 1908.

KIND	Flush	2 N OZ.	3 N OZ.	4 N OZ.	Total
Boston Machine.....			171		171
Chapman.....		3	103	50	156
Coffin.....			1		1
Corey.....			26		26
Eddy.....			32	1	33
Fairbanks,.....			18		18
Flush.....	369				369
Glanmorgan.....			1		1
Holyoke.....				1	1
Kennedy.....			1		1
Lowrey.....11					11
Ludlow.....		3	357	14	374
Michigan.....			29		29
O'Brien.....			1		1
A. P. Smith.....			1		1
Perkins.....				1	1
Walker.....			17		17
Totals.....11	369	6	758	67	1211

FIRE SERVICES.

For private fire protection the following services were laid :

Lowell Insulated Wire Co.	Lincoln	44 ft.—6 in pipe
Lowell Electric Light Co.	Perry	8 ft.—6 in. “
U. S. Bunting Co.	Crosby	117 ft.—6 in. “
Keith Theatre	Bridge	6 ft.—4 in.
William H. Wiggin	Rockingham	13 ft.—4 in. “

The following fire services were metered :

Lowell Weaving Co.	Marginal	6 in. Hersey Detector
Lowell Electric Light Co.	Perry	6 in. Crown
Lowell Insulated Wire Co.	Lincoln	6 in. Hersey Detector
U. S. Bunting Co.	Crosby	6 in. “ “
Shaw Stocking Co.	Chelmsford	6 in. “ “
“ “ “	Smith	6 in. “ “
“ “ “	“	2 in. Crown

Meters set for the Shaw Stocking Co. were in consequence of the Company's making a 6 in. connection with their new mill off the fire pipe in their yard without permission of the Department. The question of who shall finally pay for the meters is now in the Supreme Court. Many other concerns having private fire services should be metered in order that the Department may know and feel secure that there is no waste of water occurring in these places. It might, of course, be prudent to await the decision of the Court before moving further in the matter.

There are in use now 88 private fire hydrants. These hydrants are liable to be used at any time for other than fire purposes, though only intended for that use exclusively. During the past year an official of the Department was told by an employee of a Company having a hydrant on their premises that he did not favor discontinuing the hydrant, as he used it frequently, one week five or six times.

PRIVATE FIRE HYDRANTS, JANUARY 1st, 1908.

KIND	1 N OZ.	2 N OZ.	3 N OZ.	4 N OZ.	Total
Boston Machine.....		1	8		9
Chapman.....	1	10	1	5	17
Coffin.....			1		1
Flush..... 3					3
Kenney.....		1			1
Ludlow.....		18	21	10	49
Michigan.....			3		3
Perkins.....		3	1		4
Pratt & Cady.....			1		1
Totals..... 3	1	33	36	15	88

NEW SERVICES.

As may be seen by the following table, there are almost 12,000 service supply pipes now in use. The labor charged to services the past year, \$3,516.47, is slightly in excess of the year before, owing to an increase of sixty-six in the number of services changed. For this same reason the cost of service pipe and boxes (\$6,338.40) is \$2,040.08 more than in 1906.

NEW SERVICES—1907.

226	¾ in. iron tin-lined pipe.....	8,193 feet
10	1 in. iron tin-lined pipe.....	472 "
4	1½ in. galvanized iron pipe.....	207 "
9	2 in. " " " ".....	327 "
2	4 in. cast iron pipe.....	19 "
4	6 in. " " " ".....	209 "
<hr/>		<hr/>
255		9,427 "
Total previously laid.....		462,012 feet
Total now laid.....		471,439 "
Total services laid.....		12,764
Total cut off at main.....		869
Total re-connected.....		73
Total now in use.....		11,968

PIPE LAID IN 1907.

439 ft. 2 in. galvanized iron pipe construction

38 ft. 2 in.	"	"	"	"	Tewksbury Annex
206 ft. 2 in.	"	"	"	"	Services

683 ft. 2 in.	"	"	"	Total
---------------	---	---	---	-------

163 ft. 1½ in. galvanized iron pipe construction

31 ft. 1½ in.	"	"	"	"	Tewksbury Annex Services
142 ft. 1½ in.	"	"	"	"	Services

336 ft. 1½ in.	"	"	"	Total
----------------	---	---	---	-------

289 ft. 1 in. tin lined pipe construction

20 ft. 1 in.	"	"	"	"	Tewksbury Annex Services
453 ft. 1 in.	"	"	"	"	Services

762 ft. 1 in.	"	"	"	Total
---------------	---	---	---	-------

Total 6 ft. 2 in. Universal pipe, construction Tewksbury Annex

1917 ft. ¾ in. tin lined pipe, construction Tewksbury Annex Services

7126 ft. ¾ in.	"	"	"	"	Services
----------------	---	---	---	---	----------

9043 ft. ¾ in.	"	"	"	Total
----------------	---	---	---	-------

SERVICES CHANGED—1907.

No.	KIND.	CHANGED TO					Total Feet
		Tin Lined $\frac{3}{4}$ in.	Tin Lined 1 in.	Galv. Iron $1\frac{1}{2}$ in.	Galv. Iron 2 in.	Iron 2 in.	
97	$\frac{3}{4}$ in. iron.....	3115					3115
1	$\frac{3}{4}$ in. iron.....		42				42
27	1 in. iron.....	981					981
10	1 in. iron.....		290				290
5	1 in. iron.....			184			184
2	$1\frac{1}{2}$ in. iron....		119				119
2	2 in. iron.....				59		59
1	2 in. iron.....					9	9
1	$\frac{3}{4}$ in. T.L. Iron			44			44
5	$\frac{5}{8}$ in. Lead ...	58					58
6	$\frac{3}{4}$ in. Lead....	159					159
1	1 in. Lead.....	6					6
2	1 in. Lead.....		86				86
1	1 in. L. L. Iron		29				29
161	Totals....	4319	566	228	59	9	5181

The amount of meter work, that is, repairing, testing and setting done the past year cost in labor \$3,767.12, an increase of \$317.75, caused, no doubt, by the fact that 870 meters were taken out for repairs and 176 frozen in 1907 against 530 out for repairs and 80 frozen in 1906. Although 501 meters were set in 1906 and only 427 the past year, yet the cost for meters purchased was slightly more the past year, partly due to the advance in price of meters and partly to the fact that many of them were of a large size for fire services, etc.

METERS RUNNING JANUARY 1st, 1908

SIZES	$\frac{5}{8}$ in.	$\frac{3}{4}$ in.	1 in.	$1\frac{1}{2}$ in.	2 in.	3 in.	4 in.	6 in.	8 in.	Total
Columbia...	109	4								113
Crown.....	2946	1602	316	21	28	5	5	5		4928
Desper.....	14	5	3							22
Duplex.....	1	1	4							6
Empire.....	251	44	8	3	5	2				313
Frost.....			1							1
Gem.....					7		5	1		13
Hersey	995	142	15	7	1		1	7	3	1171
Keystone....	20									20
King.....	47									47
Lambert....	646	81								727
Nash.....	355	102	50		1					508
Niagara....	1									1
Thomson....	5	19	2							26
Torrent.....						1	2	1		4
Trident.....	528	30	1							559
Union.....	28	7		1						36
Worthingt'n	85	22	46	57	36	6	3			255
Worth. Disc	54									54
Total...	6085	2059	446	89	78	14	16	14	3	8804

New meters set	427
Meters out for repairs	870
" reset	791
" frozen and burst	176
" condemned	23
" " replaced with new	23
" sold for private use	3
" repaired in cellars	276

PRIVATE METERS RUNNING JANUARY 1st, 1908

SIZE.	$\frac{3}{8}$ in.	$\frac{5}{8}$ in.	$\frac{3}{4}$ in.	1 in.	1½ in.	2 in.	Total
Columbia.....		9					9
Crown.....	1	29	23	2	2		57
Desper.....			3	1			4
Duplex.....		1					1
Empire.....		6					6
Frost.....		1	1				2
Hersey.....		30	1			1	32
King.....		1					1
Lambert.....		16					16
Nash.....		19	2			1	22
Thomson.....			1				1
Trident.....			6				6
Worthington.....				1		3	4
Worthington Disc..		1					1
Total.....	1	113	37	4	2	5	162

NEW HOLLY PUMP.

At the close of the year the work of altering over the Boulevard Lower Station preparatory to receiving the new eight million gallon pump has made substantial progress.

This comprised, as you know, first raising the building over the engine room 2 1-2 ft. and was done by laying an 8 in. brick wall between the sill as raised and the old wall, thereby placing the Engine Room beyond any danger from river freshets in the future, besides giving the required head room for the new engine. Next, two of the three Knowles pumps were taken out of the way and the receiver moved back six feet into an addition made to the engine room for that purpose. This work forced a complete alteration of the piping. When the pumps were removed and the location of the receiver changed, excavation was begun for the foundation of the new pump, this will probably be finished by the middle of January.

The old Knowles Pumps are for the present stored at the Cushing Barn. It may be possible to sell them for proper use as pumps—if not, the only thing left is to dispose of them for old junk.

OPERATION.

The total net pumpage of water for the year was 2,017,455,914 gallons; average daily pumpage 5,526,118 gallons, about one-half million gallons in excess of 1906. The total consumption of water for the year was 2,017,033,106 gallons, for which 21,294 meter bills and 2,552 rate bills were rendered, which together with 1,883 bills for labor, material, etc., make a total of 25,729 for the year. Of the meter bills, 4311 were minimum accounts.

Receipts for metered water	\$169,777.30
Receipts for water by rates	30,830.31
	<hr/>
Total receipts for water	\$200,607.61

It is of interest to note that while the regular meter rate of 14c. per 100 cu. ft. less discount of 10 per cent., amounted to \$168.00 per million gallons, the amount received per million gallons is only \$99.45. This means that a large amount of unmetered water is wasted and unaccounted for. It is also due to the fact that no revenue is derived from the large quantity of water furnished the Park Department, the thousands of gallons running in the public drinking fountains, and the use made of it by the Sewer Department for flushing and puddling—water used for the extinguishment of fires must be also considered. Out of the total receipts for water for the year, \$5,507.95 was received from City Departments, not including \$1,500.00 for street sprinkling which is about one-third of the regular rate. Amount of coal used 4,202 gross tons, costing \$22,085.87. Basing the cost per million gallons

on the total cost of pumping, it amounted to \$20.64; on maintenance \$62.28, and on maintenance including interest, \$85.20.

This cost of pumping ought to be lowered this coming year as a result of the new eight million gallon pump contracted for last August and now in process of construction for the Boulevard Lower Pumping station. The consumption of water for the year past was the highest for the last five years and was due to letting water run to keep it from freezing during the very severe cold weather the first three months of the year. Otherwise the consumption would have been less than previous years. During November and December the daily consumption was unusually low, many days running about four million gallons.

The expenditure for labor in operating the several Pumping Stations (\$19,686.82) was about the same as the previous year and because of the necessity of pumping at two stations, and sometimes three, cannot be reduced to any extent, especially if proper care and attention be given to the pumping machinery and appurtenances.

Regarding the fuel expenses, while \$22,085.87 was actually used for pumping, the Department received at the several Stations and paid for \$23,966.67, an increase of nearly \$5,000.00 as compared with the sum of \$19,020.46 paid for pumping stations fuel in 1906. This of course, means that the coming year the Department begins the year with sufficient coal to last until spring and avoids the need of purchasing coal in the winter, as in previous years when the price is high; and while it adds to the coal bill the past year, the amount required in 1908 will be correspondingly reduced.

The charge for Pumping Stations, miscellaneous, \$11,361.24, the past year against \$2,685.80 the previous year can only be explained by the fact that all the expense formerly charged to "Miscellaneous" was transferred to this account—also, the repairs on the pumps was considerably greater.

GENERAL MAINTENANCE.

An unusual amount of work was done the past year in the way of repairing and replacing mains, hydrants, gates, services, meters, etc. The first three months were busy ones tending to frozen pipes and leaks caused by extreme cold weather. Probably the worst leak in the history of the Department occurred just before midnight January 6, when a whole length of the 24 in. distributing main on East Merrimack Street burst opposite the Church of the Immaculate Conception. The pressure at this point was about 70 lbs. to the square inch and had it not been for a large drain nearby which carried a large part of the water directly into the river, an incalculable amount of damage to property would have resulted. As it was, the roadway and sidewalk for quite an area caved in, a few of the cellars in the neighborhood were flooded, some of the material of the street being carried into the cellars with the water. The street was rendered impassable for street cars or teams and the people on the line of the pipe were deprived of water, and in a measure the people all over the city suffered from a scarcity of it on account of the reduction in pressure consequent upon shutting off this pipe which was the main supply of a large part of the city. In order to restore the pressure to some extent, the Cook

Wells Pumping Station was started as soon as possible, so that by noon all those outside of the district supplied directly by the broken main received water. By six o'clock in the evening the broken pipe which was split its entire length was replaced by other pipe and the water turned on.

While it was true that if this large drain spoken of was not there to take the water from the broken main considerable and serious damage would undoubtedly have ensued, yet, on the other hand the presence of this drain probably caused the trouble and if it didn't cause it, by carrying of the water when the leak first began, instead of allowing it to come to the surface of the street as it otherwise would, it precluded discovery of the leak in its incipient stage when it would have been a simple matter to have repairs made and further trouble averted. The filling in of the hole in the street caused by the break was done by the Street Department for which this Department paid them \$200.00.

As soon as possible in the spring, a gang of men was set to work lowering the main pipe and services on the further end of Gorham Street near the town line where during the winter the main had to be thawed out with electricity, after which the water in the houses was kept constantly running until the frost left the ground. About two hundred feet was found to be too shallow and as it lay on a hard ledge it proved a troublesome and expensive job to excavate the trench to a proper depth to ensure the pipe from freezing in the future. Several service pipes were also frozen last winter, all of which have since been lowered.

For many years the Department has been dissatisfied

with the size and character of the 6 in. main on Central Street between Merrimack Street and Market Street. This pipe was originally laid by the Locks & Canals Co. It was uncoated and laid before the City Water Works was built, when it was turned over to the City. The fact that the City was going to repair the street called for whatever work was likely to be needed to be done before the new paving was laid; consequently, in compliance with your vote a new 8 in. main was laid to take the place of the old 6 in. pipe, which also involved renewing and relaying all the services and hydrants connected with it. It was also connected with 16 in. main on Market Street. The old main had no such connection. Believing it would not pay for the cost of excavating and backfilling, the old main was not removed but wherever an opening was made into it, it was later plugged up to guard against its filling with gas, which might cause an explosion.

In accordance also with the vote of your Honorable Body, the 6 in. main on Crosby Street was removed for its entire length and replaced by new 8 in. pipe. This also proved a difficult and expensive work. Another unusual expense was the connection laid under the Boulevard between the Upper and Lower Well Plant. By means of this connection the Boulevard Upper Pumping Station can pump from the wells of the lower plant, thus increasing the supply of the Upper Station and keeping the water in the lower wells in circulation while the Lower Station was shut down during the erection of the new 8,000,000 gallon pump.

On August 29th the three top courses of the iron smoke stack at the Boulevard Lower Pumping Station

were discovered to be almost ready to fall by the painters who were getting ready to paint it. Means were at once adopted to prevent it from falling on the Pumping Station buildings and it was finally landed without injury to person or property. When this was done, it was found necessary to cut off another 5 ft. section, making the stack 60 ft. high instead of 80 ft., its original height. This stack was the second one erected at this plant; the first one in 1896 and this one in 1900. It was made of iron 5-16 in. and 1-4 in. thick and had a diameter of 42 in. Realizing that what was left standing of the stack would not last long and that it would not be of sufficient height for good draft, a new chimney of brick of the same dimensions was built to take its place, in accordance with your vote. Patrick Conlon was given the contract to do the work for Thirteen Hundred Dollars, the Department putting in a concrete foundation for it.

The new Pipe Yard at the Cook Wells Pumping Station was still further improved during the year by a spur track from the N. Y., N. H. & H. R. R. This track extends into the coal bin, which also has been entirely rebuilt and considerably enlarged. The buildings at this Plant have all been repaired and painted, so that everything there is looking neater, cleaner and better than ever before. It will be necessary, however, to do some more grading there to bring the pipe yard to a proper level. This grading and filling-in making the new Pipe Yard and the enlargement of the coal bin is an improvement more in the line of construction than of maintenance.

REPAIR SHOP.

The Water Works Shop is a very valuable adjunct to the work of the Department, especially in the maintenance and repairs of meters, valves and pumps which are in need of almost constant attention. Many repairs have been made on the small pumps at the two Boulevard Stations; three air pumps from these Stations have been almost wholly rebuilt; they were certainly put in better condition and better shape for efficiency than when first made. Very extensive repairs were made on the machinery at the Centralville Pumping Station, particularly on the High Duty and Morris engines and on the Morris Engine very expensive, yet not nearly so costly as if we had no Shop and were obliged to let the work out, not to speak of the quality of workmanship generally furnished by Contractors.

Tools are gradually being added to the equipment of the Shop. A new brass workers lathe similar to one already in the Shop was purchased during the year. This was found necessary owing to the fact that the lathe in use was not sufficient to turn out the work as rapidly as needed; in fact, before the new lathe was secured the Department was obliged to purchase curb and collar cocks to supply the demand. For better light, more room and to separate the brass from the iron work, the two brass lathes were set up on the second floor of the Shop.

Besides manufacturing fifteen hundred and twenty-six service cocks, hydrant and gate stems, pump valve seats and plates, faucets for fountains and various other jobs of brass work were cast and finished in the Shop.

The meter repairs made at the shop, though it adds to the pay roll of the Department, is without doubt a saving and more economical than shipping them away to the different manufacturers for repairs, especially when the cost of transportation both ways of 870 of them is figured, not to mention the delay following such a course.

I am afraid very few people outside the Department have anything like an adequate idea of the extent or importance of the work performed at the Shop or of how indispensable it is to the successful handling of the affairs of the Department. In the Brass Foundry 5,078 lbs. of composition castings were made.

MISCELLANEOUS WORK.

Repaired and repacked 249 hydrants, repaired and repacked 114 gates, placed new yoke and spur gear on 24 in. gate at East Merrimack Street opposite Willow, and new stem on 30 in. gate at Centralville Pumping Station, blew out 97 hydrants on account of dirty water, flushed 16 private sewers, cleaned and repaired drinking fountains 263 times, used 20 ft. chain and 1 1-2 dozen dippers on drinking fountains, had 25 faucets repaired for small drinking fountains, blew out mains three times, cleaned reservoir screens twice and the Centralville pump well four times, set 95 1 in. and 5 1 1-2 in. sidewalk boxes, 35 iron gate boxes, 6 3 ft. extension boxes, 1 2 ft. extension box, 7 tops of gate boxes, 6 wooden hydrant boxes, had new galvanized gutter put on the main building at the Centralville Pumping Station and the valley and roofs of the buildings repaired generally. Cut hay on Reservoir grounds and the Department land on the

Pawtucket Boulevard, kept the usual gang in the summer on the Parks of the Department, opened up the stretch of Park between Moody Street and Sarah Avenue as playground for children. The Park Gang of the Department removed 80,731 moth nests from the trees owned by the Department.

CONCLUSION.

In closing this report, I desire to express to the President and members of the Board my heartfelt gratitude for their favorable and kindly co-operation during the year.

Respectfully submitted,

ROBERT J. THOMAS,

Superintendent.

LOW SERVICE WATER PIPE LAID IN 1907

Streets	LOCATION	Length in Feet								Totals.
		1 in.	1-2 in.	2 in.	4 in.	6 in.	8 in.	10 in.	12 in.	
	* Indicates pipe replaced									
Amos Ave.....	Thirteenth, northerly.....	181								181
Atlantic.....	Extended south-easterly.....					165				165
Boisvert.....	Extended north-easterly.....					60				60
Bolton.....	Easton, westerly.....					338				338
Boylston.....	Northerly from Lawrence to connect, at Bishop.....					7	336	543		886
Bridge.....	Fire service, Keith's Building.....				18					18
Caster.....	South-easterly from Lawrence.....					250				250
Carlisle.....	Extended southerly.....					48				48
*Central.....	Merrimack to Market, (Replaced 6 in. pipe).....						450			450
*Chapel.....	Union, northerly, (Replaced 1 in. pipe).....	135								135
Circuit Ave.....	Woburn, easterly.....					538				538
Clark Road.....	Extended south-easterly.....					772				772
Clifton.....	Easton, westerly.....					503				503
Commonwealth Ave.....	Woburn, north-easterly.....					369				369
Commonwealth Ave.....	Extended westerly and southerly to B. & M. R. R. S.....					355				355
Corey.....	Extended southerly.....					30				30
Crosby.....	U. S. Bunting Co. Fire Service in mill yard.....					143	667			810
*Crosby.....	Central, to U. S. B. Co's mill yard (Replaced 6 in. pipe).....						1082			1082
Damon.....	Extended westerly.....			44						44

LOW SERVICE WATER PIPE LAID IN 1907—Continued

Jacques	Extended north-westerly.....	.....	.....	.....	.....	24 .....	.....	.....	24
Juniper.....	Woburn, north-easterly.....	.....	.....	.....	.....	373 .....	.....	.....	373
Kinsman.....	Crosby, northerly.....	.....	.....	.....	.....	29 .....	.....	.....	29
Lawrence.....	Fire service in mill yard of Stirling Mill.....	.....	.....	.....	.....	35	89 .....	.....	124
* Lawrence.....	Extended north-westerly to More (Replaced 550 ft. 6 in. pipe and 516 ft. 8 in. pipe).....	.....	.....	.....	.....	3	151	1063	1066
Lawrence.....	Fire service in mill yard of U. S. Cartridge Co.....	.....	.....	.....	.....	.....	.....	.....	151
Lawrence.....	Easterly to Boylston.....	.....	.....	.....	.....	.....	.....	882	882
Lincoln.....	Fire service Lowell Insulated Wire Co.....	.....	.....	.....	.....	44 .....	.....	.....	44
Lowell E. L. Co.....	Fire service new power house.....	.....	.....	.....	.....	22 .....	.....	.....	22
Lowell Gen. Hospital.....	Extension of service.....	.....	.....	.....	52 .....	.....	.....	.....	52
Lowell Hosiery.....	Fire service in yard.....	.....	.....	.....	15 .....	.....	.....	.....	15
Lundberg	Private street south-easterly from Lundberg	150 .....	.....	.....	.....	.....	.....	.....	150
* Middle	Central, to connect with 10 in. pipe (Replaced 6 in. pipe).....	.....	.....	.....	.....	.....	21 .....	.....	21
Mission Place.....	Morton, north-westerly.....	139 .....	.....	.....	.....	.....	.....	.....	139
Osgood Ave.....	Orleans, to Henry Ave.....	.....	.....	.....	.....	263 .....	.....	.....	263
Parker.....	Extended southerly to hydrant.....	.....	.....	.....	.....	11 .....	.....	.....	11
Parker.....	Extended westerly from Stevens to connect.....	.....	.....	.....	.....	.....	559 .....	.....	559
Plummer Ave.....	E. Merrimack to Andover.....	.....	.....	.....	.....	.....	760 .....	.....	760
* Riverside Ave.....	West, easterly (Replaced 1 in. pipe).....	223 .....	.....	.....	.....	.....	.....	.....	223
Robert.....	Seventh Ave., south-easterly.....	.....	.....	.....	.....	134 .....	.....	.....	134
Rock	Lowell Gas Light Co., changed hydrant in yard.....	.....	.....	.....	.....	28 .....	.....	.....	28
Rockingham.....	Extended northerly .....	.....	.....	.....	.....	72 .....	.....	.....	72

HIGH SERVICE WATER PIPE LAID IN 1907.

Streets	LOCATION	Length in Feet								Totals.
		1 in.	1 1/2 in.	2 in.	4 in.	6 in.	8 in.	10 in.	12 in.	
Andover.....	Extended across street and westerly to Butman Road..	.....	.....	.....	.....	178	.....	.....	.....	178
Butman Road.....	Andover, southerly to connect with High Service.....	.....	.....	.....	.....	861	.....	.....	.....	861
	Laid in 1907.....	.....	.....	.....	.....	1039	.....	.....	.....	1039

Low Service laid in 1907.....	19,869 feet
Low Service previous to 1907.....	703,834 "
<hr/>	
Total Low Service to Jan. 1, 1908.....	723,703 feet
High Service laid in 1907.....	1,039 feet
High Service previous to 1907.....	38,283 "
<hr/>	
Total High Service to Jan. 1, 1908.....	39,322 feet
<hr/>	
Total High and Low Service to Jan. 1, 1908, (including pipe relaid in 1907).....	763,025 feet
Deducting pipe replaced in 1907.....	3,274 feet
<hr/>	
Total High and Low Service to Jan. 1, 1908...	759,751 feet
Total in miles to Jan. 1, 1908,—143.89.	

LOW SERVICE—LIST OF FIRE SERVICE METERS AND CHECK VALVES SET IN 1907

Corporations	LOCATIONS	Fire Meters	Check Valves
Lowell Electric Light Co.....	18.5 ft. south of north line new power house, 10 ft. east of east line same	6 in Crown	.....
Lowell Insulated Wire Co.....	8.5 ft. north of north line ell on Lincoln St., 16 feet west of east line same	6 in. Detector	.....
Lowell Weaving Co.....	In tower of mill, Marginal St.....	6 in. Detector	.....
Shaw Stocking Co.....	29 ft. south of west corner of Mill No. 1, 3 ft. east of east line of Smith St..	6 in. Detector	.....
Shaw Stocking Co.....	29 ft. south of west corner of Mill No. 1, 8 ft. east of east line of Smith St..	.....	6 in.
Shaw Stocking Co.....	19 ft. south of south line Mill No. 3, 6 ft. west of west line Chelmsford St..	6 in. Detector	.....
Shaw Stocking Co.....	19 ft. south of south line Mill No. 3, 11.5 ft west of west line Chelmsford St	.....	8 in.
Shaw Stocking Co.....	12 ft. south of south line Office, 5 ft. east of east line Smith St.....	2 in. Crown	.....

[illegible]

LOW SERVICE—LIST OF STOP GATES SET DURING THE YEAR 1907—Continued.

Streets	LOCATION	1 in.	1 1/2 in.	2 in.	4 in.	6 in.	8 in.	10 in.	12 in.	24 in.
Lawrence.....	14.3 ft. west of east line Lawrence St., 4 ft. south of hydrant opp. Moore St.....								1	
Liberty.....	21 ft. south of north line Liberty St., on east line Smith St.....						1			
Lowell Electric..	20 ft. east of east line power house, 18.5 ft. south of north line of power house....					1				
Lowell General..	49 ft. west of old Hospital building, 8 ft. south of hydrant.....				1					
Lowell Hosiery..	11 ft. east of east line of Dye House, 15.5 ft. north of south line of Dye House.....				1					
Lowell Insulated	11 ft. north of south line new Lincoln St., 60 ft. west of east line of building.....					1				
Marshall Road...	177 ft. south of hydrant near Boston Road, on west line Marshall Road.....			1						
Merrimack.....	25.2 ft. south of north line Merrimack St., 15 ft. west of east line Central St.....								1	
Middle.....	15.5 ft. south of north line of Middle St., on west line Central St.....						1			
New.....	7 ft. east of west line New St., 1.5 ft. north of north line Crosby St.....			1						
Osgood Ave.....	12 ft. west of east line Osgood Ave., on north line Orleans St.....					1				
Parker.....	12 ft. south of north line Parker St., on west line Stevens St.....						1			
Plummer Ave....	12 ft. east of west line Plummer Ave., on south line East Merrimack St.....						1			
Plummer Ave....	12 ft. east of west line Plummer Ave., on north line Andover St.....						1			
Private.....	10 ft. east of west line private st., on east line Lundberg St.....	1								
Riverside Ave....	Middle of Riverside Ave., on east line of West St.....		1							
Robert.....	12 ft. east of west line Robert St., on south line seventh Ave.....					1				
Rock.....	Fire Service Lowell Gas Light Co., 9.5 ft. north of south line Rock St., 385 ft. east of east line School St.....					1				
Rockingham.....	Fire Service Wiggin Building, 13 ft. east of west line Rockingham St., 136.5 ft. north of north line Lawrence st.....				1					
Rose Ave.....	12 ft. east of west line Rose Ave., on north line West Forest st.....					1				

LOW SERVICE—LIST OF STOP GATES SET DURING THE YEAR 1907—Continued.

Streets	LOCATION	1 in.	1 1/2 in.	2 in.	4 in.	6 in.	8 in.	10 in.	12 in.	24 in.
Rumford.....	13 ft. east of west line Rumford st., on north line, Commonwealth Ave.....					1				
Stirling Mills....	Fire Service, 4 ft. east of east line of office building, on north line office building						1			
Stirling Mills....	Fire Service, 4 ft. east of east line of office building, 71 ft. south of north line office building.....					1				
Stirling Mills....	Fire Service, 6 ft. east of east line office building, 72 ft. south of north line office building.....					1				
Swanson.....	21.3 ft. west of intersection of Swanson St. and Lawrence St., on south line Lawrence St.....					1				
U. S. Bunting Co.	2 ft. west of west line Bake House, on south line Bake House.....						1			
U. S. Bunting Co.	24 ft. south of south line Weave Mill, 30 ft. east of east line Weave Mill.....						1			
U. S. Bunting Co.	Fire Service 26 ft. east of east line Weave Mill, 124 ft. north of south line of Weave Mill.....					1				
U. S. Bunting Co.	Fire Service 3.6 ft. west of west line Finishing Mill, 8 ft. north of south line of Finishing Mills.....					1				
U. S. Bunting Co.	Fire Service 4.2 ft. west of west line Bake House, 4 ft. south of north line of Bake House.....					1				
Woburn.....	14 ft. east of west line Woburn St. 20 ft. south of north line Grafton st.....					1				

HIGH SERVICE—LIST OF STOP GATES SET DURING THE YEAR 1907.

Streets	LOCATION	1 in.	1 1/2 in.	2 in.	4 in.	6 in.	8 in.	10 in.	12 in.	24 in.
Andover.....	20 ft. south of north line Andover st., on east line Plummer Ave.....						1			
Butman Road....	10 ft. east of west line Butman Road, on south line Andover St.....					1				
Butman Road....	10 ft. east of west line Butman Road, on south line Glenwood St.....					1				

LOW SERVICE—LIST OF HYDRANTS SET DURING THE YEAR 1907.

STREETS	LOCATION
	* Indicates locations changed or hydrants changed
Atlantic.	West side, 250 ft. south of Wedge st.
Bolton.	North side, 332 ft. west of Easton st.
Boylston.	West side, opposite Hamsted st.
* Central.	Flush hydrant, changed to post hydrant, west side 7 ft. north Market st.
* Central.	Flush hydrant changed to post hydrant, west side, 10 ft. north of south line Warren st.
Circuit Ave.	North side, 490 ft. east of Woburn st.
Clark Road.	West side, opposite house of Larkin T. Trull
Clifton	North side 497 ft. west of Easton st.
Com'w'lth Av.	North side, 325 ft. east of Woburn st.
Com'w'lth Av.	South side, 18 ft. from Boston & Maine Railroad Station
* Corey.	Location changed, west side from 171 ft. to 201 ft. south of Princeton st.
Dayton	North side, 278 ft. east of Boylston st.
Delmont Ave.	North side, 452 ft. east of Woburn st.
Endicott.	North side, 4 ft. west of Fourth ave.
Fairfield.	West side, 250 ft. south of Wedge st.
Florence Ave.	East side, 711 ft. south of Westford st.
Highland Ave.	West side, 538 ft. south of Pine st.
Hampsted	North side, 565 ft. east of Boylston st.
Juniper	North side, 330 ft. north-east of Woburn st.
Lawrence.	North side, 461 ft. east of Rockingham st.
Lawrence.	North side, 56 1-2 ft. east from Concord River Bridge
*Lowell G.L.Co.	Location changed from 70 ft. to 94 ft. south of Rock st.
Marshall Road.	East side, 168 ft. north of Mariner st.
Perry	East side, 3 ft. south of Sherman st.
Parker	East side, 141 ft. south of Walden st.
Parker	North side, 34 ft. west from Highland ave.
Plummer Ave.	West side, 317 ft. north of Andover st.
*Rogers.	Location changed, from west side of Perry st. to north side Rogers st., 2 ft. east of Perry st.
Seventh Ave.	South side, 10 ft. west of Robert st.
U.S.Bunting Co.	4 ft. south of finishing mill
U.S.Bunting Co.	4 1-2 ft. west of dining house
* White	Location changed from north side Bodwell ave. to west side White st. opposite Bodwell ave.
Wilton Ave.	East side, 4 ft. from end of Wilton ave.

CAST IRON PIPE AND SPECIALS IN STOCK
DEC. 31, 1907.

Size in inches	4	6	8	10	12	16	20	24	30
L'n'ths of pipe	5	122	232	2	14	12	15	19	1
Sleeves	3	27	4	8	8	1	6	1	4
Caps	2	2	8	4	3	2	2	2	2
Plugs	9	12	24	6	6	3	6	.....	2
Curves $\frac{1}{4}$	5	2	5	2	3	4	.....	.....	.....
Curves $\frac{1}{8}$	10	5	8	1	2	3	7	.....	.....
Curves $\frac{1}{16}$	14	1	4	1	2	3	3	2	2
Offsets.....	2	3	4	4	4	.....	.....	.....	.....
Gates.....	7	8	1	.....	2	.....	.....	.....	.....
Check Valves .....	.....	2	.....	.....	.....	.....	.....	.....	.....
Split Sleeves.....	.....	.....	.....	.....	.....	1	1	.....	1

CAST IRON PIPE IN PIECES.

17 ft. 4 in., 86 ft. 6 in., 48 ft. 10 in., 25 ft. 12 in., 7 ft. 16 in.,
2 ft. 20 in., 5 ft. 30 in.

FLANGE PIPE.

96 ft. 6 in., 10 ft. 8 in., 17 ft. 20 in., 1 6 in. 1-16 flange
bend.

Y's	Smith Gates and Sleeves	Reducers	Crosses	Branches	Size in inches
			6	6	4 x 4
	1				6 x 2
	1				6 x 3
	4	3	1		6 x 4
	2		1	13	6 x 6
	1				8 x 3
	1	2		1	8 x 4
	2	10		6	8 x 6
	3		17	10	8 x 8
	1	1	2	5	10 x 4
	3	1		2	10 x 6
	3		10	12	10 x 8
			11	3	10 x 10
	1	2	2		12 x 4
	2	4	7	4	12 x 6
		4	10	6	12 x 8
		4	6	7	12 x 10
			9	4	12 x 12
		2			16 x 4
			4	3	16 x 6
			3	3	16 x 8
		4	1	3	16 x 10
		3	2	3	16 x 12
			1	1	16 x 16
					20 x 4
				2	20 x 6
					20 x 8
				4	20 x 12
		1			24 x 16
				1	24 x 12
3					8 x 6 x 4
				1	30 x 16

Report of the City Engineer.

OFFICE OF THE CITY ENGINEER.

LOWELL, MASS., January 1, 1908.

To the Lowell Water Board:

GENTLEMEN:—I have the honor to submit the Thirty-fifth Annual Report, for the year ending December 31, 1907.

PUMPAGE.

Total net pumpage for 1907.....	2,017,455,914 Gallons
Total net pumpage for 1906.....	1,855,043,406 Gallons
An increase in 1907 of.....	162,412,508 Gallons

CONSUMPTION

Consumption for 1907.....	2,017,033,106 Gallons
Consumption for 1906.....	1,855,607,433 Gallons
An increase in 1907 of.....	161,425,673 Gallons

The maximum pumpage for any one day was on Saturday, August 17, viz:

At West Sixth Street Station.....	4,502,720 Gallons
At Cook Wells Station.....	3,651,840 Gallons
Total.....	8,154,560 Gallons

The maximum pumpage for any one week was on the week of August 16 to August 22, viz :

At West Sixth Street Station.....	32,101,120 Gallons
At Cook Wells Station.....	21,099,680 Gallons
Total.....	53,200,800 Gallons

The High Service pumpage was 48,405,280 gallons, which is 18,400,312 gallons less than last year.

Cost of Low Service pumpage in 1907..\$20.64 per million gals.

Cost of Low Service pumpage in 1906.. 20.60 per million gals.

An increase in 1907 of..... .04 per million gals.

Cost High Service pumpage in 1907.. 14 26 per million gals.

Cost of Low Service, exclusive of Cook

Wells, in 1907..... 20.37 per million gals.

Total cost of High Service pumpage,

exclusive of Cook Wells, in 1907 . 34.63 per million gals.

Total cost of High Service pumpage,

exclusive of Cook Wells, in 1906.. 34.21 per million gals.

An increase in 1907 of..... .42 per million gals.

TABLE SHOWING QUANTITY PUMPED EACH MONTH AT THE SEVERAL STATIONS
DURING THE YEAR 1907.

PUMPING STATIONS													
Months	Driven Wells					West Sixth Street					Grand Totals	Net Totals	
	Cook Wells	Lower Boulevard	Upper Boulevard	Totals	Net Totals	W'rth'gt'n High Duty	W'rth'gt'n Duplex	Morris	Totals I',wS'rvice	High Service			
Jan.....	874,176	175,030,276	.....	175,904,452	874,176	66,579,375	.....	106,409,280	172,988,655	2,683,632	351,576,739	173,862,831
Feb.....	29,252,736	175,888,602	.....	205,141,338	29,252,736	107,865,000	.....	56,096,000	163,961,000	2,550,730	371,653,068	193,213,736
March..	26,998,912	177,112,710	.....	204,111,622	26,998,912	77,199,000	.....	90,323,520	167,522,520	3,123,652	374,757,794	194,521,432
April..	.....	158,436,146	.....	158,436,146	.....	.....	.....	152,406,400	152,406,400	2,815,498	313,658,044	152,406,400
May.....	.....	164,389,372	.....	164,389,372	.....	152,646,000	.....	18,107,200	170,753,200	2,381,120	337,523,692	170,753,200
June.....	.....	173,866,848	.....	173,866,848	.....	68,336,250	.....	98,766,080	167,102,330	2,532,872	343,522,050	167,102,330
July.....	.....	183,005,256	.....	183,005,256	.....	32,829,000	.....	141,833,920	174,662,920	8,859,970	366,528,146	174,662,920
August..	46,137,984	26,178,980	118,020,268	190,337,232	46,137,984	.....	11,545,640	133,104,000	144,649,646	10,021,830	345,008,702	190,787,624
Sept.....	14,097,536	.....	142,946,702	157,044,238	14,097,536	5,665,500	22,696,650	119,887,120	148,199,270	6,913,788	312,157,296	162,296,806
Oct.....	9,265,920	.....	143,924,524	153,190,444	9,265,920	85,715,775	65,260,270	1,046,400	152,022,445	1,972,054	307,184,943	161,288,365
Nov.....	.....	.....	132,345,726	132,345,726	.....	102,008,880	31,779,340	.....	133,788,220	2,038,652	268,172,598	133,788,220
Dec.....	.....	14,540,852	121,142,288	135,683,140	.....	.....	142,772,050	.....	142,772,050	2,491,482	280,946,672	142,772,050
Totals	126,627,264	1,248,449,042	658,379,508	2,033,455,814	126,627,264	698,844,780	274,053,950	917,929,920	1,890,828,650	48,405,280	3,972,689,744	2,017,455,914	

TABLE SHOWING SOURCE OF SUPPLY, QUANTITY PUMPED AND COST OF PUMPING AT THE SEVERAL STATIONS DURING THE YEAR 1907.

PUMPING STATIONS	SOURCE OF SUPPLY—WELL WATER			COST		
	345 Driven Wells at Pawtucket Boulevard	210 Driven Wells in the Valley of Riv. Meadow Brook	Distributing Mains of Low Service System	Totals in U. S. Gallons	Totals	Per Million Gallons
West Sixth Street Low Service	1,890,828.650	.....	.....	1,890,828.650	\$19,189.69	\$10.15—
High Service.....	.....	.....	48,405.280	48,405.280	690.03	14.25—
Cook Wells.....	.....	126,627.264	.....	126,627.264	3,125.44	24.08 +
*Lower Boulevard.....	1,248,449.042	.....	.....	1,248,449.042	12,592.17	10.09—
*Upper Boulevard	658,379.508	.....	.....	658,379.508	6,734.90	10.23—
Total Pumpage.....	.....	.....	.....	3,972,689.744	\$42,332.23	\$10.66—
Deduct { at Lower Boulevard.....	1,248,449.042	.....	.....	.....	.....	.....
quantity { at Upper Boulevard.....	658,379.508	.....	.....	.....	.....	.....
pumped { by High Service.....	.....	.....	48,405.280	1,455,233.830	.....	.....
Net Pumpage.....	.....	.....	.....	2,017,455.914	\$42,332.23	\$20.98 +
Cost exclusive of High Service.....	.....	.....	.....	.....	.....	20.04 +
Cost exclusive of High Service and Cook Wells.....	.....	.....	.....	.....	.....	20.37 +
Total cost of High Service pumpage.....	.....	.....	.....	.....	.....	34.63

*Repumped at West Sixth Street.

The following tables, showing the performance of the engines, depth and quantity of water in the Beacon Street Reservoir, average temperature of the air and water at the Beacon Street Reservoir, and the average monthly and daily consumption of water, have been calculated and compiled from the records kept by the engineers and gate-keeper.

TABLE SHOWING WORK DONE WITH WORTHINGTON HIGH DUTY ENGINE, FOR
EACH MONTH DURING THE YEAR 1907.

MONTHS	No. of days p'mping	Average No. of hours p'mping per day	No. of hours p'mping per month	No. of strokes made per month	Average No. of strokes made per minute	Average head, including friction, in feet	Quantity pumped per month in U. S. gallons	Average quantity pumped per day in U. S. gallons	No. gallons of water pump'd into reservoir per lb. total coal consumed	Duty in lbs. 1 foot high coal used in p'mp'g only; no deduct'n for ashes or clinkers	Duty on total coal consumed; no deduct'n for ashes or clinkers
January.....	11	20-37	226-45	177,545	13.05	164.08	66,579,375	6,052,670	582	79,542,436	79,542,436
February....	17	22-46	387-00	287,640	12.39	164.54	107,865,000	6,345,000	571	80,146,481	78,302,527
March.....	16	19-37	314-00	205,864	10.93	163.55	77,199,000	4,824,937	508	69,973,613	69,236,952
April.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
May.....	28	23-35	660-30	407,056	10.27	164.40	152,646,000	5,451,643	562	77,585,482	76,960,232
June.....	12	22-10	266-00	183,230	11.42	164.27	68,336,250	5,694,687	675	92,440,234	92,440,234
July.....	5	22-18	111-30	87,544	13.09	164.41	32,829,000	6,565,800	623	88,699,286	85,301,549
August.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
September..	2	10-30	21-00	15,108	11.99	164.58	5,665,500	2,832,750	489	67,013,234	67,013,234
*October....	17	21-48	370-30	234,782	10.56	164.20	85,715,775	5,042,104	524	72,774,900	71,707,150
November..	24	19-39	471-30	283,358	10.02	164.37	102,008,880	4,250,370	499	76,565,316	68,328,797
December ..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Totals and Averages.	132	21-26	2828-45	1,881,127	11.08	164.26	698,844,780	5,294,279	554	78,022,836	75,884,228

* From October 12 to November 30, 4 per cent. deducted from registered quantity pumped.

TABLE SHOWING WORK DONE WITH WORTHINGTON DUPLEX ENGINE, FOR
EACH MONTH DURING THE YEAR 1907.

Months	No. of days p'mping	Average No. of hours p'mping per day	No. of hours p'mping per month	No. of strokes made per month	Average No. of strokes made per minute	Average head, including friction in feet	Quantity pumped per month in U. S. gallons	Average quantity pumped per day in U. S. gallons	No. gallons of water pump'd into reservoir per lb. total coal consumed	Duty in lbs. 1 foot high coal used in p'mp'g only; no deduct'n for ashes or clinkers	Duty on total coal consumed; no deduct'n for ashes or clinkers
January....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
February...	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
March .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
April.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
May.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
June.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
July.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
August.....	3	16-50	50-30	37,244	12.29	164.73	11,545,640	3,848,547	438	60,067,247	60,067,247
September..	5	22-00	110-00	73,215	11.09	164.05	22,696,650	4,539,330	443	60,584,333	60,584,333
October.....	16	21-22	342-00	210,517	10.26	163.58	65,260,270	4,078,767	331	46,594,602	45,129,208
November...	9	18-43	168-30	102,514	10.14	163.21	31,779,340	3,531,038	360	49,797,253	49,006,852
December...	31	23-49	738-30	460,555	10.39	161.89	142,772,050	4,605,550	411	55,747,564	55,426,747
Totals and Averages..	64	22-01	1409-30	884,045	10.45	162.82	274,053,950	4,282,093	386	53,057,951	52,341,048

TABLE SHOWING WORK DONE WITH MORRIS ENGINE (BEAM AND FLY WHEEL)
FOR EACH MONTH DURING THE YEAR 1907.

MONTHS	No. of days p'mping	Average No. of hours p'mping per day	No. of hours p'mping per month	No. of strokes made per month	Average No. of strokes made per minute	Average head, including friction, in feet	Quantity pumped per month in U. S. gallons	Average quantity pumped per day in U. S. gallons	No. gallons of water pump'd into reservoir per lb. total coal consumed	Duty in lbs. 1 foot high coal used in p'mp'g only; no deduct'n for ashes or clinkers	Duty on total coal consumed; no deduct'n for ashes or clinkers
January.....	22	23-13	512-30	332,529	10.81	164.29	106,409,280	4,836,785	452	63,018,971	61,848,814
February...	13	20-14	263-00	175,300	11.11	164.53	56,096,000	4,315,077	444	66,755,000	60,841,181
March.....	20	21-03	421-00	282,261	11.17	164.07	90,323,520	4,516,176	460	65,995,197	62,868,914
April.....	30	23-47	713-30	476,270	11.13	164.36	152,406,400	5,080,213	506	70,727,919	69,364,889
May.....	4	20-45	83-00	56,585	11.36	164.33	18,107,200	4,526,800	429	62,461,057	58,726,149
June.....	20	22-42	454-00	308,644	11.33	164.67	98,766,080	4,938,304	549	75,329,897	75,329,897
July.....	27	23-26	632-30	443,231	11.68	164.37	141,833,920	5,253,108	471	64,578,403	64,578,403
August.....	30	21-12	636-00	415,950	10.90	164.53	123,104,000	4,436,800	535	77,868,839	73,388,186
September..	25	23-07	577-45	374,491	10.80	164.22	119,837,120	4,793,485	532	74,372,603	72,788,283
October.....	1	4-00	4-00	3,270	13.62	161.43	1,046,400	1,046,400	556	74,762,724	74,762,724
November..	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	.....
December ..	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	.....
Totals and Averages.	192	22-23	4297-15	2,808,531	11.13	164.36	917,929,920	4,780,885	494	69,620,794	67,660,859

TABLE SHOWING WORK DONE WITH WORTHINGTON HIGH SERVICE ENGINE, FOR EACH MONTH DURING THE YEAR 1907.

Months	No. of days p'umping	Average No. of hours p'umping per day	No. of hours p'umping per month	No. of strokes made per month	Average No. of strokes made per minute	Average head, including friction in feet	Quantity pumped per month in U. S. gallons	Average quantity pumped per day in U. S. gallons	No. gallons of water pump'd into reservoir per lb. total coal consumed	Coal in lbs. used when pumping
January.....	8	15-30	124-00	191,688	25.76	70.44	2,683,632	335,454	300	8,944
February...	8	15-11	121-30	182,195	24.99	70.44	2,550,730	318,841	300	8,502
March	9	15-00	135-00	223,118	27.55	70.44	3,123,652	347,072	300	10,412
April.....	9	14-07	127-00	201,107	26.39	70.44	2,815,498	312,833	300	9,385
May.....	8	13-30	108-00	170,080	26.25	70.44	2,381,120	297,640	300	7,937
June.....	9	13-47	124-00	182,348	24.51	70.44	2,552,872	283,652	300	8,510
July.....	27	23-02	622-00	632,855	16.96	91.02	8,859,970	328,147	300	29,533
August.....	31	24-00	744 00	715,845	16.04	93.59	10,021,830	323,285	300	33,406
September..	23	22-29	517-15	493,842	15.91	90.58	6,913,788	300,599	300	23,046
October.....	8	12-30	100-00	140,861	23.48	70.44	1,972,054	246,507	300	6,574
November...	8	14-41	117-30	145,618	20.66	70.44	2,038,652	254,831	300	6,796
December...	10	12-51	128-30	177,963	23.08	70.44	2,491,482	249,148	300	8,305
Totals and Averages..	158	18-47	2968-45	3,457,520	19.41	81.44	48,405,280	306,363	300	161,350

TABLE SHOWING AMOUNT OF COAL USED FOR.
 WORTHINGTON HIGH DUTY ENGINE AT PUMP-
 ING STATION DURING THE YEAR 1907.

MONTHS	COAL CONSUMED			
	For Starting Fires, In Pounds	When Pumping, In Pounds	For Banking Fires, In Pounds	Total per Month, in Pounds
January .....	.....	114,459	.....	114,459
February	4,346	184,553	.....	188,899
March	800	150,377	800	151,977
April .....	.....	.....	.....	.....
May	2,190	269,563	.....	271,753
June .....	.....	101,205	.....	101,205
July	2,020	50,713	.....	52,733
August .....	.....	.....	.....	.....
September .....	.....	11,596	.....	11,596
October	1,200	161,178	1,200	163,578
November	11,000	182,508	11,000	204,508
December .....	.....	.....	.....	.....
Totals	21,556	1,226,152	13 000	1,260,708

TABLE SHOWING AMOUNT OF COAL USED FOR
 WORTHINGTON DUPLEX ENGINE AT PUMP-
 ING STATION DURING THE YEAR 1907.

MONTHS	COAL CONSUMED			
	For Starting Fires, In Pounds	When Pumping, In Pounds	For Banking Fires, In Pounds	Total Per Month, In Pounds
January .....	.....	.....	.....	.....
February .....	.....	.....	.....	.....
March .....	.....	.....	.....	.....
April .....	.....	.....	.....	.....
May .....	.....	.....	.....	.....
June .....	.....	.....	.....	.....
July .....	.....	.....	.....	.....
August .....	.....	26,388	.....	26,388
September .....	.....	51,219	.....	51,219
October	3,100	190,940	3,100	197,140
November	700	86,804	700	88,204
December	1,000	345,534	1,000	347,534
Total	4,800	700,885	4,800	710,485

TABLE SHOWING AMOUNT OF COAL USED FOR
MORRIS ENGINE AT PUMPING STATION
DURING THE YEAR 1907.

MONTHS	COAL CONSUMED			
	For Starting Fires, In Pounds	When Pumping, In Pounds	For Banking Fires, In Pounds	Total per Month, in Pounds
January	3,274	231,192	1,100	235,566
February	5,600	115,225	5,600	126,425
March	4,676	187,142	4,630	196,448
April	2,900	295,163	2,900	300,963
May.	2,525	39,702	.....	42,227
June .....	.....	179,932	.....	179,932
July .....	.....	300,863	.....	300,863
August	8,310	234,383	6,000	248,693
September	2,400	220,525	2,400	225,325
October .....	.....	1,883	.....	1,883
November .....	.....	.....	.....	.....
December .....	.....	.....	.....	.....
Totals	29,685	1,806,010	22,630	1,858,325

TABLE SHOWING AMOUNT OF COAL USED FOR
DEANE ENGINES AT PUMPING STATION,
COOK WELLS, DURING THE YEAR 1907.

MONTHS	COAL CONSUMED			
	For Starting Fires, In Pounds	When Pumping, In Pounds	For Banking Fires, In Pounds	Total Per Month, In Pounds
January	5,000	.....	5,000
February	122,119	.....	122,119
March.....	110,500	.....	110,500
April.....
May.....
June.....
July
August	200,865	.....	200,865
September.....	61,500	.....	61,500
October	33,200	.....	33,200
November.....
December
Total.....	533,184	.....	533,184

Gallons pumped per pound of total coal consumed = 237.

TABLE SHOWING AMOUNT OF COAL USED FOR
KNOWLES ENGINES AT PUMPING STATION,
LOWER BOULEVARD, DURING
THE YEAR 1907.

MONTHS	COAL CONSUMED			
	For Starting Fires, In Pounds	When Pumping, In Pounds	For Banking Fires, In Pounds	Total per Month, in Pounds
January	386,285	.....	386,285
February	462,695	.....	462,695
March	470,000	.....	470,000
April	392,875	.....	392,875
May.	383,710	.....	383,710
June	403,890	.....	403,890
July	423,820	.....	423,820
August	66,300	.....	66,300
September
October
November
December	41,000	.....	41,000
Totals	3,030,575	.....	3,030,575

Gallons pumped per pound of total coal consumed = 412.

TABLE SHOWING AMOUNT OF COAL USED FOR
 WORTHINGTON ENGINES AT PUMPING STA-
 TION, UPPER BOULEVARD, DURING
 THE YEAR 1907.

MONTHS	COAL CONSUMED			
	For Starting Fires, In Pounds	When Pumping, In Pounds	For Banking Fires, In Pounds	Total Per Month, In Pounds
January
February
March
April
May
June
July
August	230,130	.....	230,130
September	271,612	.....	271,612
October	257,080	.....	257,080
November	220,815	.....	220,815
December	211,390	.....	211,390
Total	1,191,027	.....	1,191,027

Gallons pumped per pound of total coal consumed = 553.

WEST SIXTH STREET PUMPING STATION, WORTH-
INGTON HIGH DUTY ENGINE, RUNNING
EXPENSES FOR THE YEAR 1907

Pay of Engineers and Firemen.....	\$3,266.74
105 700-2000 tons of coal (New River 1906), at \$4.4107+.....	464.67
81 1544-2000 tons of coal (Orenda 1907), at \$4.6882—.....	383.36
109 1672-2000 tons of coal (New River 1907), at \$4.9107+.....	539.37
333 792-2000 tons of coal (No 1 Carbon Steam 1907), at \$4.6607+.....	1,553.86
270 54-100 gallons of cylinder oil, at \$0.672—.....	181.8c
70 20-100 gallons of engine oil, at \$0.35.....	24.57
170 26-100 pounds of packing, at \$1.112+.....	189.39
113 40-100 pounds of cotton waste, at \$0.087—.....	9.86
26 pounds of grease, at \$0.15.....	3.90
Repairs on engine.....	32.75
Repairs on boilers.....	83.19
Tools and stock.....	50.35
Sundries.....	18.94
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Total.....	\$6,802.75

Cost of pumping water into reservoir per million gallons, \$9.73+

Cost of pumping water one foot high per million gallons, \$0.05 93-100—

WEST SIXTH STREET PUMPING STATION, WORTH-
INGTON DUPLEX ENGINE, RUNNING
EXPENSES FOR THE YEAR 1907.

Pay of Engineers and Firemen.....	\$1,270.40
59 655-2000 tons of coal (New River 1906), at \$4.4107+.....	261.68
46 99-2000 tons of coal (Orenda 1907), at \$4.6882—.....	215.89
61 1707-2000 tons of coal (New River 1907), at \$4.9107+.....	303.74
188 24-2000 tons of coal (No. 1 Carbon Steam 1907), at \$4.6607+.....	876.27
105 21-100 gallons of cylinder oil, at \$0.672—.....	70.70
27 30-100 gallons of engine oil, at \$0.35.....	9.55
21 31-100 pounds of packing, at \$0.946+.....	20.16
44 10-100 pounds of cotton waste, at \$0.087—.....	3.83
Repairs on engine.....	31.63
Repairs on boilers.....	32.35
Tools and stock.....	19.58
Sundries	7.36
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Total.....	\$3,123.14

Cost of pumping water into reservoir per million gallons, \$11.40—

Cost of pumping water one foot high per million gallons, \$0.07—

WEST SIXTH STREET PUMPING STATION, MORRIS
ENGINE, RUNNING EXPENSES FOR
THE YEAR 1907.

Pay of Engineers and Firemen.....	\$4,264.91
155 448-2000 tons of coal (New River 1906), at \$4.4107+.....	684.65
120 068-2000 tons of coal (Orenda 1907), at \$4.6882—.....	564.85
161 1667-2000 tons of coal (New River 1907), at \$4.9107+.....	794.72
491 1242-2000 tons of coal (No 1 Carbon Steam 1907), at \$4.6607+.....	2,291.30
353 21-100 gallons of cylinder oil, at \$0.672—.....	237.35
91 65-100 gallons of engine oil, at \$0.35.....	32.08
77 20-100 pounds of packing, at \$0.937+.....	72.34
148 5-100 pounds of cotton waste, at \$0.087—.....	12.88
17 50-100 pounds of tallow, at \$0.071+.....	1.25
Repairs on engine.....	108.40
Repairs on boilers.....	108.60
Tools and stock.....	65.74
Sundries.....	24.73
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Total.....	\$9,263.80

Cost of pumping water into reservoir per million gallons, \$10.09+

Cost of pumping water one foot high per million gallons, \$0.06 14-100+.

WEST SIXTH STREET PUMPING STATION, HIGH
SERVICE ENGINE, RUNNING EXPENSES
FOR THE YEAR 1907.

Pay of Engineers and Firemen.....	\$272.22
13 921-2000 tons of coal (New River 1906), at \$4.4107+.....	59.37
10 896-2000 tons of coal (Orenda 1907), at \$4.6882—.....	48.98
14 67-2000 tons of coal (New River 1907), at \$4.9107+	68.91
42 1466-2000 tons of coal (No. 1 Carbon Steam 1907), at \$4.6607+.....	199.16
22 54-100 gallons of cylinder oil, at \$0.672—.....	15.14
5 85-100 gallons of engine oil, at \$0.35.....	2.05
10 92-100 pounds of packing, at \$0.977+.....	10.67
9 45-100 pounds of cotton waste, at \$0.087—.....	0.82
Repairs on boilers.....	6.93
Tools and stock.....	4.20
Sundries	1.58
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Total.....	\$690.03

Cost of pumping water into reservoir per million gallons, \$14.26—

Cost of pumping water one foot high per million gallons, \$0.17 50-100+—

COOK WELLS PUMPING STATION, DEANE ENGINES,
RUNNING EXPENSES FOR THE
YEAR 1907.

Pay of Engineers and Firemen.....	\$1,587.13
209 1834-2000 tons of coal (New River 1906), at \$4.5044—.....	945.54
56 1350-2000 tons of coal (No. 1 Carbon Steam 1907), at \$4.4911—.....	254.53
100 gallons of kerosene oil for lighting works, at \$0.11.....	11.00
55 gallons of cylinder oil, at \$0.60.....	33.00
10 gallons of engine oil, at \$0.35.....	3.50
50 pounds of packing, at \$0.981—.....	49.05
52 pounds of cotton waste, at \$0.0875.....	4.55
10 pounds of tallow, at \$0.075.....	0.75
Repairs on engines.....	24.50
Repairs on boilers.....	34.18
Tools and stock.....	141.97
Sundries.....	35.74
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Total.....	\$3,125.44

Cost of pumping water into distributing mains per million gallons, \$24.68 +

LOWER BOULEVARD PUMPING STATION, KNOW-
LES ENGINES, RUNNING EXPENSES
FOR THE YEAR 1907.

Pay of Engineers and Firemen.....	\$5,097.68
324 585-2000 tons of coal (Pocahontas 1905), at \$4.5982.....	1,491.16
733 935-2000 tons of coal (New River 1907), at \$4.9107+.....	3,601.85
457 1055-2000 tons of coal (No. 1 Carbon Steam 1907), at \$4.6607+.....	2,132.40
50 gallons of kerosene oil for lighting works, at \$0.11.....	5.50
223 gallons of cylinder oil, at \$0.53+.....	118.54
23 50-100 pounds of packing, at \$0.69—.....	16.12
164 pounds of cotton waste, at \$0.0875.....	14.35
10 pounds of tallow, at \$0.075.....	0.75
Repairs on engines.....	17.39
Repairs on boilers.....	15.79
Tools and stock.....	53.02
Sundries.....	27.62
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Total.....	\$12,592.17

Cost of pumping water into conduit per million gallons, \$10.09—

UPPER BOULEVARD PUMPING STATION, WORTH-
INGTON ENGINES, RUNNING EXPENSES
FOR THE YEAR 1907.

Pay of Engineers and Firemen.....	\$3,342.19
10 tons of coal (Pocahontas 1905), at \$4.5982.....	45 98
585 1027-2000 tons of coal (No. 1 Carbon Steam 1907), at \$4.6607+.....	2,728 90
300 gallons of kerosene oil for lighting works, at \$0.10.....	30.00
96 gallons of cylinder oil, at \$0.53.....	50.88
25 gallons of engine oil, at \$0.50.....	12.50
10 75-100 pounds of packing, at \$1.03+.....	11.12
102 pounds of cotton waste, at \$0.086—.....	8.75
Repairs on engines.....	40.95
Repairs on boilers.....	319.93
Tools and stock.....	102.61
Sundries.....	41.09
 Total.....	 \$6,734.90

Cost of pumping water into conduit per million gallons, \$10.23—

RESERVOIR, BEACON STREET, 1907.

MONTHS	Depth in Feet	Quantity in U. S. Gallons	Temperature in Degrees	
			Of Water	Of Air
January	18.28	27,634,303	46.15	25 61
February	18.05	27,262,313	42.71	20.40
March	19.24	29,231,520	39.95	36.89
April	20.08	30,652,643	38.05	44.60
May	19.95	30,425,826	38.45	54.34
June	19.12	29,036,260	42.48	66.87
July	18.71	28,356,374	48.05	74.43
August	18.47	27,953,369	52.53	71.56
September	17.86	26,943,489	58.77	63.99
October	20.36	31,127,228	59.97	49.74
November	20.11	30,707,660	57.27	42.31
December	20.00	30,511,711	51.31	34.73

TABLE SHOWING THE AVERAGE MONTHLY AND
DAILY CONSUMPTION OF WATER FOR
THE YEAR 1907.

MONTHS	Gallons per Month	Gallons per Day
January	180,187,955	5,812,515
February	195,080,554	6,967,163
March.	185,906,682	5,996,990
April.	152,688,412	5,089,614
May.	170,047,108	5,485,391
June	169,210,027	5,640,334
July	175,912,345	5,674,592
August.	187,430,502	6,046,145
September.	162,438,307	5,414,610
October.	161,146,864	5,198,286
November.	134,775,761	4,492,525
December.	142,208,589	4,587,374
Totals and Averages.	2,017,033,106	5,526,118

The following table shows the average daily consumption of water, in gallons, for each month and each year since the installation of the system.

AVERAGE DAILY CONSUMPTION OF WATER, IN GALLONS, FOR EACH MONTH AND YEAR
FROM JANUARY, 1873, TO DECEMBER, 1907, INCLUSIVE.

YEARS	MONTHS												For the Year
	January	February	March	April	May	June	July	August	September	October	November	December	
1873	308,777	373,437	327,321	353,148	430,301	569,770	836,215	588,634	571,621	531,022	480,646	591,202	511,462
1874	633,810	667,770	638,840	669,470	708,760	919,830	977,360	895,820	880,880	760,560	750,060	890,220	789,206
1875	1,211,480	1,377,880	1,092,070	920,810	1,061,770	1,314,750	1,389,560	1,260,070	1,248,470	1,117,280	1,130,260	1,549,500	1,222,300
1876	1,434,980	1,527,830	1,325,790	1,073,602	1,275,180	1,534,764	2,011,640	1,462,020	1,539,226	1,248,380	1,193,376	1,805,810	1,484,882
1877	1,993,090	1,616,882	1,443,180	1,291,636	1,455,870	1,780,113	1,767,740	1,758,760	1,906,975	1,501,890	1,496,773	1,560,420	1,631,860
1878	2,038,990	1,894,890	1,683,690	1,287,310	1,824,140	1,760,330	2,262,500	1,813,970	1,878,048	1,643,400	1,513,424	1,804,850	1,784,960
1879	2,407,950	2,241,030	1,921,940	1,716,990	2,020,250	1,991,590	2,133,170	2,050,340	1,908,050	1,950,380	1,756,600	2,178,000	2,023,200
1880	1,977,760	2,141,660	1,933,610	1,839,800	2,223,670	2,486,780	2,438,680	2,492,340	2,408,940	2,268,430	2,229,350	2,574,600	2,232,197
1881	3,131,280	3,054,550	2,245,410	2,222,330	2,223,530	2,281,370	2,383,280	2,472,830	2,350,290	2,205,760	2,082,790	2,138,930	2,399,168
1882	2,883,560	2,803,540	2,263,290	2,163,990	2,203,580	2,774,220	3,220,640	3,220,980	2,651,390	2,434,430	2,211,800	2,629,940	2,622,615
1883	3,341,650	3,068,900	2,893,330	2,436,600	2,739,670	2,907,920	2,988,780	3,220,780	2,910,440	2,408,160	2,374,830	3,063,920	2,802,710
1884	3,660,150	3,032,120	3,025,910	2,513,700	2,620,820	3,127,330	3,185,420	3,166,500	3,111,910	2,806,130	2,648,010	3,234,160	3,016,040
1885	4,137,730	4,924,980	3,907,890	3,103,350	3,416,380	3,443,140	3,545,920	3,303,190	3,243,620	3,567,880	3,125,447	3,347,620	3,563,220
1886	4,527,610	4,927,900	4,213,570	3,490,590	3,416,380	3,903,860	4,034,170	3,922,610	3,693,650	3,440,430	3,516,680	3,408,650	3,957,650
1887	5,470,290	4,762,659	4,276,024	3,707,936	4,232,327	4,300,546	4,532,064	4,220,440	4,200,019	3,894,148	3,672,885	4,480,818	4,391,164
1888	6,611,570	6,707,935	5,305,426	4,213,317	4,241,155	4,836,489	4,808,093	4,646,388	4,367,616	4,378,843	4,312,348	5,131,297	4,981,118
1889	4,889,917	5,493,132	4,344,194	4,139,753	4,516,328	4,738,913	4,919,008	4,769,079	4,668,705	4,349,478	4,266,827	4,560,882	4,633,165
1890	5,034,449	5,317,487	5,037,524	4,697,240	4,692,172	5,234,919	6,101,724	5,533,936	5,671,520	5,380,563	5,074,790	6,674,367	5,373,536
1891	6,346,284	6,040,030	5,668,223	5,292,180	5,350,909	6,076,131	6,191,190	6,467,698	6,179,573	5,747,034	5,661,719	5,823,698	5,919,692
1892	5,911,281	6,614,450	6,083,591	5,340,879	5,241,053	6,371,317	6,742,737	6,450,251	6,335,374	6,290,239	5,613,792	5,899,565	6,074,263
1893	8,639,870	8,868,586	6,998,144	5,646,919	5,910,870	6,330,711	6,766,530	6,746,621	6,194,761	6,415,510	5,960,053	7,325,056	8,166,943
1894	7,268,744	7,817,660	6,580,717	6,014,810	6,154,297	6,915,305	7,104,453	6,571,633	6,190,377	5,821,950	5,909,004	6,550,501	6,563,170
1895	7,280,484	8,318,300	6,469,630	6,034,913	6,452,212	7,633,375	7,032,587	7,343,446	7,153,630	6,674,267	6,249,076	7,119,614	6,922,692
1896	8,347,435	7,958,693	6,645,162	6,127,650	7,034,685	7,093,227	7,407,605	7,058,722	6,318,176	5,970,660	5,556,262	6,814,985	6,933,308
1897	7,423,486	7,050,397	6,498,264	6,187,508	6,401,633	6,296,766	6,885,239	6,353,958	6,301,085	6,301,085	6,499,027	6,898,918	6,594,364
1898	7,769,816	7,241,795	6,232,698	6,202,828	6,305,113	6,612,048	7,143,828	6,970,647	7,043,119	6,360,619	6,228,699	6,965,349	6,724,864
1899	7,417,719	8,124,248	6,803,182	6,574,963	6,551,731	8,508,104	8,664,229	7,196,128	7,902,017	7,037,015	6,797,932	6,858,218	7,286,205
1900	7,511,163	8,127,415	8,021,115	7,695,888	7,754,911	8,637,993	8,696,114	8,263,525	8,138,836	7,386,297	7,292,997	7,844,543	7,833,356
1901	8,266,601	9,055,112	8,260,895	6,914,082	6,580,172	7,083,342	7,263,332	6,766,772	6,514,839	6,133,286	5,748,730	6,197,726	7,039,631
1902	6,171,220	6,114,804	5,651,749	5,446,046	5,797,401	6,217,117	6,083,104	5,963,910	5,461,552	5,107,818	4,771,831	5,969,016	5,729,325
1903	6,160,966	6,054,616	5,145,198	5,147,423	5,361,932	5,124,402	5,563,775	5,018,208	4,936,025	4,809,428	4,613,355	5,112,524	5,266,823
1904	6,635,276	5,554,904	4,791,851	4,791,851	5,220,707	5,562,331	5,576,893	5,139,162	5,417,624	4,940,185	4,380,887	5,257,670	5,453,323
1905	5,777,996	6,857,608	5,525,104	5,316,825	5,283,217	5,152,313	5,555,262	5,819,150	5,025,355	5,447,880	4,983,105	5,034,701	5,474,302
1906	4,834,965	5,142,265	5,001,817	4,950,731	5,025,778	5,074,773	5,391,923	5,440,761	5,486,986	4,989,724	4,392,655	5,269,259	5,043,856
1907	5,812,515	6,967,163	5,996,990	5,089,614	5,485,391	5,640,334	5,674,592	6,046,145	5,414,610	5,198,286	4,492,525	4,587,374	5,526,118

SUMMARY OF STATISTICS.

FOR THE YEAR ENDING DECEMBER 31, 1907.

In form recommended by the New England Water Works
Association.

LOWELL WATER WORKS.

LOWELL, MIDDLESEX COUNTY, MASSACHUSETTS.

GENERAL STATISTICS.

Population by census of 1905, 94,889.

Date of construction, 1870 to 1873.

Date of construction, High Service, 1881.

Date of construction, Driven Wells, 1893 to 1903.

By whom owned: The City of Lowell.

Source of supply: Two hundred ten (210) driven wells in the
valley of River Meadow Brook and three hundred forty-
five (345) driven wells at Pawtucket Boulevard.

Mode of supply: Pumping to reservoir and pumping direct.

PUMPING STATISTICS.

1. Builders of Pumping Machinery.

AT WEST SIXTH STREET STATION.

One engine, capacity 5,000,000 gals. in 24 hours, Henry
G. Morris.

One engine, capacity 5,000,000 gals. in 24 hours, Henry
R. Worthington.

One engine, capacity 10,000,000 gallons in 24 hours,
Henry R. Worthington.

One engine, capacity 500,000 gallons in 24 hours, Henry
R. Worthington.

AT COOK WELLS STATION, TEMPORARY PUMPS.

One engine, capacity 3,000,000 gallons in 24 hours,
The Deane Steam Pump Co.

One engine, capacity 3,000,000 gallons in 24 hours,
The Deane Steam Pump Co.

AT LOWER BOULEVARD STATION, TEMPORARY PUMPS.

One engine, capacity 3,000,000 gallons in 24 hours,
Knowles Steam Pump Works.

One engine, capacity 3,000,000 gallons in 24 hours,
Knowles Steam Pump Works.

One engine, capacity 3,000,000 gallons in 24 hours,
Knowles Steam Pump Works.

AT UPPER BOULEVARD STATION, TEMPORARY PUMPS.

One engine, capacity 3,000,000 gallons in 24 hours,
Henry R. Worthington.

One engine, capacity 3,000,000 gallons in 24 hours,
Henry R. Worthington.

- | | | | |
|----|----------------------------|---|---|
| 2. | Description of fuel used : | { | a. Kind, bituminous.
b. Brand of coal, — New
River, No. 1 Carbon
Steam and Orenda.
c. Average price of coal per
gross ton, del'd, \$5.27-
d. Percentage of ash.
e. Wood, price per cord. |
|----|----------------------------|---|---|

3. Coal consumed for the year, 8,745,654 pounds.
(Low Service; West Sixth Street Station, 3,829,518
pounds).

4. (Pounds of wood) $\div 3$ = equivalent amount of coal
= 2,400, West Sixth Street Station.

5. Total equivalent coal consumed for the year = (3) + (4),
8,748,054 pounds. (Low Service, West Sixth Street
Station, 3,831,918 pounds.)
6. Total pumpage for the year, 2,017,455,914 gallons. (Low
Service, West Sixth Street Station, 1,890,828,650
gallons.)
7. Average static head against which pumps work, 156.06
feet. West Sixth Street Station.
8. Average dynamic head against which pumps work,
164.10 feet. West Sixth Street Station.
9. Number of gallons pumped per pound of equivalent coal
(5), 231. (Low Service, West Sixth St. Station, 493).
10. Duty =
$$\frac{\text{Gallons pumped (6)} \times 8.34 \text{ (lbs.)} \times 100 \times \text{dynamic head (8)}}{\text{Total fuel consumed (5)}}$$

= 67,532,153. West Sixth Street Station, Low Service.
Cost of pumping figured on pumping station expenses,
viz. : \$41,642.20.
11. Per million gallons pumped, \$20.64 +. Low Service.
12. Per million gallons raised one foot (dynamic), \$0.1241 +
Low Service, West Sixth Street Station.

FINANCIAL STATISTICS.

RECEIPTS.		EXPENDITURES	
Balance brought forward:		Water Works Maintenance	
(a) From ordinary (maintenance) receipts.....	\$ 25,101.61	AA. Operation (management and repairs).....	\$125,617.33
Tewksbury extension.....	17,350.94	CC. Total maintenance.....	\$125,617.33
Total.....	\$42,452.55	DD. Interest on bonds.....	46,237.75
		(CC + DD).....	171,855.08
From Water Rates		EE. Payment of bonds.....	19,300.00
A. Fixture Rates.....	\$ 29,330.31	FF. Sinking fund.....	17,800.00
B. Meter Rates.....	164,269.35		
C. Total from consumers.....	193,599.66	Water Works Construction	
F. For street watering.....	1,500.00	GG. Extension of mains.....	11,030.27
G. For Public Buildings.....	5,507.95	HH. Extension of services	6,809.82
J. Total from municipal dep'ts	7,007.95	I J. Special.....	17,245.74
K. From tax levy.....	17,800.00	KK. Total construction.....	35,085.83
M. From other sources.....	20,235.03	LL. Unclassified expenses..	18,383.16
		MM. Balance	
		(aa) Ordinary... ..	16,394.90
		Tewksbury loan.....	2,276.22
		Total balance.....	18,671.12
N. Total.....	\$281,095.19	N. Total.....	\$281,095.19

Disposition of balance—Carried to account of 1908.

O. Net cost of works to date.....	\$3,089,168.65
P. Bonded debt at date.....	1,075,000.00
Q. Value of Sinking fund at date.....	510,678.93
R. Average rate of interest, four per cent	

STATISTICS OF CONSUMPTION OF WATER.

1. Estimated total population at date,—96,330.
2. Estimated population on lines of pipe,—95,880.
3. Estimated population supplied,—95,880.
4. Total consumption for the year,—2,017,033,106 gallons.
5. Passed through meters,—1,005,648,215 gallons.
6. Percentage of consumption metered,—49.9.
7. Average daily consumption, - 5,526,118 gallons.
8. Gallons per day to each inhabitant,—57.34.
9. Gallons per day to each consumer,—57.64.
10. Gallons per day to each tap,—462.
11. Cost of supplying water, per million gallons, figured on total maintenance (item C C.), \$62.28.
12. Total cost of supplying water, per million gallons, figured on total maintenance + interest on bonds, \$85.20.

STATISTICS RELATING TO DISTRIBUTION SYSTEM.

MAINS.

1. Kind of pipe, cast iron.
2. Sizes, 4 inch to 30 inch.
3. Extended 15,730 feet during the year.
5. Total now in use, 143.52 miles.
8. Length of pipe less than 4 inches in diameter—2 miles, more or less.
9. Number of hydrants added during the year (public and private) 25.
10. Number of hydrants (public and private) now in use 1299.
11. Number of stop gates added during the year, 53.
12. Number of stop gates now in use, 1494.
13. Number of stop gates smaller than 4 inches, 30.
14. Number of blow-offs, 34.
15. Range of pressure on mains, 17 lbs. to 72 lbs. Low service.

SERVICES.

16. Kind of pipe, lead, lead-lined iron, iron and tin-lined iron.

17. Sizes, $\frac{5}{8}$ in. to 2 in.
18. Extended, 9427 feet.
20. Total now in use, 89.28 miles.
21. Number of service taps added during the year, 255.
22. Number now in use, 11,968.
23. Average length of service, 37 feet.
24. Average cost of service for the year, \$26.70.
25. Number of meters added, 427.
26. Number now in use, 8804.
27. Percentage of services metered, 73.6.
28. Percentage of receipts from metered water ($B \div C$), 84.8.

The State Board of Health has made analyses of water each month from the Merrimack River (for record only), wells at Pawtucket Boulevard and Low Service Reservoir, a record of which is annexed.

Respectfully submitted,

GEORGE BOWERS,

City Engineer

COMMONWEALTH OF MASSACHUSETTS.—STATE BOARD OF HEALTH.
LOWELL WATER ANALYSIS. — Merrimack River, Above Dam. (Parts in 100,000).

No.	Date of		Appearance		Odor		Residue on Evaporation			Ammonia			Chlorine		Nitrogen as		Hardness	Iron	(Oxygen Consumed	
	Collection	1907	Turbidity	Sediment	Color	Cold	Hot	Total	Loss on Ignition	Fixed	Free	Albuminoid		Nitrates	Nitrites					
												In Solution	In Suspension							
64,675	Jan. 30	31	slight	slight	.35	faintly unpleasant	distinctly unpleasant	4.80	1.55	3.25	.0070	.0134	.0100	.0034	.26	.0040	.0002	1.3	.....	.61
65,132	Feb. 26	27	decid'd	slight	.31	faintly unpleasant & musty	distinctly unpleasant & musty	6.00	3.00	3.00	.0086	.0150	.0130	.0020	.29	.0070	.0003	1.4	.....	.63
65,461	March 27	28	decid'd	cons.	.38	faintly veg. & unpleas't	dist'ly veg. & unpleas't	3.65	1.45	2.20	.0030	.0200	.0150	.0050	.15	.0030	.0002	0.8	.....	.63
65,808	Apr. 30	May 1	decid'd	cons.	.38	faintly unpleasant	distinctly unpleasant	2.55	1.25	1.30	.0028	.0172	.0128	.0044	.08	.0060	.0001	0.3	.....	.55
66,195	May 28	29	v. slight	slight	.34	faintly unpleasant	distinctly unpleasant	3.95	1.35	2.60	.0074	.0152	.0118	.0034	.18	.0040	.0002	1.0	.....	.52
66,554	June 25	26	slight	slight	.32	faintly unpleasant	distinctly unpleasant	3.80	1.30	2.50	.0026	.0216	.0140	.0076	.19	.0036	.0003	1.0	.....	.55
67,142	July 30	31	v. slight	slight	.41	faintly veg. & earthy	distinctly veg. & earthy	5.90	2.70	3.20	.0118	.0214	.0166	.0048	.28	.0030	.0003	1.1	.....	.51
67,659	Aug. 28	28	decid'd green	cons. green	.32	dist'ly veg. & faintly unpleasant	dist'ly veg. & faintly unpleasant	4.45	1.80	2.65	.0072	.0192	.0148	.0044	.34	.0030	.0003	1.3	.....	.52
68,113	Sept. 24	25	slight	cons.	.33	v. faintly veg. & earthy	faintly veg. & earthy	5.50	2.55	2.95	.0132	.0188	.0126	.0032	.36	.0080	.0003	1.8	.....	.73
68,651	Oct. 30	31	decid'd	cons.	.50	faintly unpleasant	distinctly unpleasant	4.10	1.15	2.95	.0040	.0228	.0132	.0086	.18	.0030	.0001	0.6	.....	.82
69,270	Nov. 27	29	slight	slight	.40	distinctly unpleasant	distinctly unpleasant	3.85	1.75	2.10	.0018	.0124	.0094	.0030	.30	.0060	.0001	1.3	.....	.56
69,699	Dec. 26	27	slight	slight	.35	v. faintly vegetable	faintly vegetable	2.60	1.30	1.30	.0022	.0124	.0096	.0028	.18	.0050	.0001	0.6	.....	.60

COMMONWEALTH OF MASSACHUSETTS. — STATE BOARD OF HEALTH.
LOWELL WATER ANALYSIS. — Reservoir. (Parts in 100,000).

No.	Date of		Appearance		Odor		Residue on Evaporation			Ammonia				Chlorine	Nitrogen as		Hardness	Iron	Oxygen Consumed	
	Collection	Examination	Turbidity	Sediment	Color	Cold	Hot	Total	Loss on Ignition	Fixed	Free	Albuminoid								
												Total	In Solution		In Suspension					
64,677	1907 Jan. 30	31	v. slight	v. slight	.10	none	none	4.50	....	....	.0034	.0032	.....	.....	.29	.0140	.0001	1.8	.0340	.11
65,134	Feb. 26	27	slight	slight	.12	none	none	4.90	....	....	.0032	.0042	.....	.....	.29	.0200	.0001	2.1	.0520	.12
65,463	March 27	28	slight	slight	.09	none	faintly unpleasant	4.40	....	....	.0032	.0042	.....	.....	.30	.0230	.0002	2.1	.0450	.13
65,810	Apr. 30	May 1	v. slight	v. slight	.12	v. faintly vegetable	v. faintly vegetable	5.70	....	....	.0030	.0050	.....	.....	.28	.0250	.0002	2.3	.0300	.09
66,197	May 28	29	v. slight	slight	.11	none	none	5.80	....	....	.0022	.0044	.....	.....	.26	.0200	.0002	2.2	.0360	.10
66,556	June 25	26	slight	v. slight	.10	none	none	5.00	....	....	.0014	.0066	.....	.....	.19	.0180	.0002	1.8	.0280	.13
67,144	July 30	31	v. slight	v. slight	.15	v. faintly vegetable	faintly veg. & fishy	4.20	....	....	.0020	.0074	.....	.....	.29	.0100	.0001	1.8	.0300	.18
67,661	Aug. 28	29	v. slight	v. slight	.06	none	none	5.00	....	....	.0010	.0060	.....	.....	.31	.0200	.0002	2.0	.0090	.13
68,115	Sept. 24	25	v. slight	v. slight	.08	v. faintly unpleasant	faintly vegetable	4.70	....	....	.0002	.0082	.....	.....	.32	.0065	.0002	2.0	.0110	.13
68,663	Oct. 30	31	none	v. slight	.10	none	none	5.60	....	....	.0008	.0070	.....	.....	.36	.0170	.0000	1.8	.0140	.14
69,272	Nov. 27	29	v. slight	slight	.07	none	faintly unpleasant	5.30	....	....	.0018	.0060	.....	.....	.37	.0220	.0002	2.1	.0120	.12
69,701	Dec. 26	27	v. slight	v. slight	.13	none	none	5.30	....	....	.0026	.0050	.....	.....	.33	.0250	.0000	2.0	.0400	.12

COMMONWEALTH OF MASSACHUSETTS. — STATE BOARD OF HEALTH.
LOWELL WATER ANALYSIS. — Boulevard Wells. (Parts in 100,000).

No.	Date of		Appearance		Odor		Residue on Evaporation		Ammonia				Chlorine	Nitrogen as		Hardness	Iron	Oxygen Consumed		
	Collection	Examination	Turbidity	Sediment	Color	Cold	Hot	Total	Loss on Ignition	Fixed	Free	Total		In Solution	In Suspension				Nitrates	Nitrites
64,676	1907 Jan. 30	Jan. 31	v. slight	v. slight	.21	none	none	3.70	....	....	.0086	.0020	.....	.....	.26	.0100	.0002	1.8	.0750	.13
65,133	Feb. 26	Feb. 27	v. slight	v. slight	.18	none	none	5.50	....	....	.0078	.0040	.....	.....	.28	.0170	.0000	2.1	.0950	.10
65,462	March 27	March 28	slight	slight	.18	v. faintly earthy	faintly earthy	5.50	....	....	.0084	.0044	.....	.....	.28	.0200	.0000	2.1	.0840	.13
65,809	Apr. 30	May 1	v. slight	v. slight	.20	none	none	4.30	....	....	.0062	.0032	.....	.....	.27	.0150	.0003	2.0	.0580	.13
66,196	May 28	May 29	v. slight	v. slight	.18	none	none	3.00	....	....	.0068	.0038	.....	.....	.21	.0160	.0002	2.3	.0650	.12
66,555	June 25	June 26	slight	slight	.19	none	none	4.20	...	....	.0080	.0052	.....	.....	.19	.0070	.0003	1.7	.0600	.15
67,143	July 30	July 31	slight	slight	.20	v. faintly earthy	faintly earthy	4.30	....	....	.0072	.0070	.....	...	.27	.0030	.0001	1.7	.0740	.18
67,660	Aug. 28	Aug. 29	slight	v. slight	fl. .11	faintly unpleasant	faintly unpleasant	8.40	....	....	.0062	.0036	.....	.....	.56	.0050	.0006	2.6	.0220	.10
68,114	Sept. 24	Sept. 25	v. slight	v. slight	.03	none	v. faintly earthy	4.80	....	....	.0038	.0056	.....	.....	.32	.0060	.0000	1.8	.0090	.11
68,662	Oct. 30	Oct. 31	v. slight	v. slight	.08	none	none	3.50	....	....	.0044	.0052	.....	.....	.31	.0050	.0000	1.7	.0290	.16
69,271	Nov. 27	Nov. 29	v. slight	v. slight	.11	none	none	4.80	....	....	.0028	.0058	.....	.....	.30	.0060	.0001	2.1	.0340	.14
69,700	Dec. 26	Dec. 27	v. slight	v. slight	.10	none	none	5.40	....	....	.0046	.0032	.....	.....	.28	.0060	.0000	1.7	.0260	.12

CITY OF LOWELL.



1908.

REPORT

OF THE

Committee on Appropriations.

CITY HALL, LOWELL, MASS., February 7, 1908.

TO THE CITY COUNCIL:—

The Joint Committee on Appropriations to whom were referred the various estimates for the year 1908, have attended to the business committed to them and

REPORT

Your Committee at the outset was of the unanimous opinion that its work could be accomplished at an earlier date and in fewer meetings than has been the custom heretofore. The Ordinance relating to Appropriations requires this Committee to report not later

than February 15th, and we could see no good reason why that particular provision should be violated, notwithstanding that a report has never before been presented on time.

We are aware that there is at all times a temptation to ask endless questions of heads of departments, and to this we believe may be attributed the failure of some Committees to finish their work within the prescribed time. The heads of departments, of course, are able to give valuable information but their estimates nowadays are so nicely detailed and so easily understood that, with the exception of a few cases, it is unnecessary to call upon them.

We are satisfied that the heads of departments present honest and carefully prepared estimates, and if the City's finances would allow we would have no hesitancy in recommending every cent requested. Unfortunately the estimates always exceed the available revenue, and this leaves but one thing to do—cut as judiciously as possible and in the places where it will be the least felt.

Your Committee has held four principal meetings, and has called in the few heads of departments it was deemed necessary to hear from.

Even with these few meetings the work has been done thoroughly and impartially and with unanimity among the members. We, therefore, present our report with the hope that it will receive the approval of both branches of the City Council and His Honor, the Mayor.

We noted that on the first of the year the City was nearer its debt limit by about \$50,000.00 than a year

ago, and that Fixed Charges had increased practically \$40,000.00, the latter being due to heavy increases in City Debt and Interest. Your Committee was gratified on the other hand to note that the General Treasury Fund showed a balance of over \$10,000.00 the first of the year as against a deficit of over \$46,000.00 a year ago. The revenue to be derived from taxation gave us \$14,378.55 more than last year, but this was less than half as much as excess of 1907 over 1906, the exact figures being \$30,381.07. In other words the valuation increased \$2,531,756.00 from 1905 to 1906 and \$1,198,212.80 from 1906 to 1907. The department estimates totalled \$1,543,413.21, and the available revenue was \$1,301,673.33, necessitating a cut of \$241,640.89 as against a cut of \$285,802.66 a year ago.

Your Committee has cut the amount necessary, and for the purpose of allowing ready money in the General Treasury Fund for legitimate uses during the year cut \$24,539.50 besides.

This amount may seem large, in fact, it is much larger than usually, but in our opinion it will provide for various contingencies which are sure to arise during the year, and may perhaps make small loans unnecessary.

With the exception of the School appropriation we have allowed amounts which we believe will last the entire year. An additional appropriation for Schools will have to be made later on. The sum of \$2,500.00 was asked by the School Board for medical inspection, but we could not see the necessity or the propriety of recommending it.

*The Cemetery Department has been in the hands of able and conscientious commissioners since the middle of last year and has demonstrated that proper management can make this department virtually self-supporting. It has been contended in previous years that this end could be brought about, and it shows that nothing short of a complete change in method of management could accomplish that end. We wish, therefore, to publicly commend the Cemetery Commission for its excellent administration of affairs.

We desire also to commend the second year's work of the Charity Commission, which by careful management has succeeded in further greatly reducing the cost of maintaining its department.

The Park Commission has given another very satisfactory year's service to the City of Lowell, and we regret that we could not allow for its department the full appropriation asked for, knowing, as we do, that every dollar would be judiciously expended.

A number of requests for salary increases were made, but your committee did not feel able to grant them.

As was done last year, we have recommended that the pay of principal election officers be \$5.00 per day, and no compensation for deputies. The saving over the old rate is considerable, and we feel that the pay as provided for is large enough for an honest day's work.

The Fire Department estimates included one of \$12,000.00 for increase of pay for permanent men, and also \$2,500.00 for pensions under the new Ordinance enacted last year. We could not see the expediency

of a general raise among permanent men, but were glad to recommend an amount sufficient to raise the pay of lieutenants 15 cents per day. Up to the present time the lieutenants have received the same pay as ordinary permanent men, and we believe that being superior in position they should also be superior in salary.

At the request of the City Engineer we have allowed for his department an amount sufficient to pay for engineering in all departments. The former custom has been to charge each department for engineering work done, but the City Engineer believes a change in this method would be advisable, and we would recommend that it be given a trial.

Estimated Revenue, 1908.

Total City Valuation for 1907, deducting abatements..	\$75,262,657.80	
Multiply by \$12 per \$1,000 of valuation	12.00	
		<hr/>
		\$903,151.89

OTHER REVENUES.

Balance Jan. 1, 1908	\$ 10,021.44	
Armory Rent	1,800.00	
Buildings	2,500.00	
Charity (Alms-house)	1,400.00	
Charity (Outdoor Relief) ...	3,800.00	
City Cemeteries	7,000.00	
City Clerk	1,300.00	
City Sealer	250.00	
City Treasurer	1,200.00	
City Weigher	150.00	
Corporation Tax	63,000.00	
Excise Tax	8,800.00	
Fire	100.00	
Health	6,000.00	
Incidentals	3,800.00	
Inspector of Milk.....	100.00	
Interest	26,000.00	
Liquor Licenses	178,000.00	
Military Aid, etc.....	18,600.00	
Moth Extermination	3,500.00	
National Bank Tax	4,200.00	
Park	1,000.00	
Police	10,000.00	
School	6,500.00	
Sewer Construction	10,000.00	
Street	3,200.00	
Street Railway Tax	9,300.00	
Watering Streets	17,000.00	
		<hr/>
		398,521.44

Total Estimated Revenue,	\$1,301,673.33
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**Summary of Department Expenses and Estimates—Amount
Recommended by Committee on Appropriations.**

	1907 Expense.	1908. Estimate.	Committee Recommends.
Abolition of Crossings...	\$ 481.28	\$ 500.00	\$
Assessors	14,377.05	14,320.25	13,100.00
Auditor	5,056.42	5,210.50	4,986.67
Buildings	32,361.61	36,934.25	25,000.00
Care of Trees	500.00	1,000.00	500.00
Charity (Almshouse) ...	49,619.22	48,710.99	} 70,000.00
Charity (Outdoor R.) ...	31,732.00	31,609.58	
City Cemeteries	8,173.73	8,000.00	7,500.00
City Clerk	6,443.71	6,648.34	6,282.34
City Messenger	18,115.75	19,403.00	17,692.00
City Sealer	650.98	2,500.00	400.00
City Treasurer	10,975.31	11,504.00	11,082.00
City Weigher	810.25	811.00	811.00
Clerk of Committees ...	1,568.55	1,600.00	1,600.00
Clerk of Common Council	300.00	300.00	300.00
Elections	9,248.58	9,770.00	9,000.00
Engineering	13,218.20	17,000.00	14,000.00
Fire	149,239.95	165,277.40	150,652.40
Fish Warden	40.00	40.00	40.00
Health (Office)	15,035.24	15,867.75	12,000.00
Health (Yard)	42,728.55	42,610.50	33,000.00
Incidentals	2,744.60	2,300.00	2,000.00
Insuranee	3,493.98	2,936.59	2,936.59
Inspector of Milk	2,398.69	2,506.50	2,356.50
Inspector of Animals ...	510.00	515.00	510.00
Inspector of Wires	2,730.12	2,851.00	2,526.00
Law	6,791.72	6,635.86	6,428.00
Library	12,874.67	16,000.00	14,000.00
Liquor Licenses	44,625.50	45,000.00	45,000.00
Lighting	93,547.20	96,227.58	96,227.58
Mayor	4,398.98	4,600.00	4,400.00
Moth Extermination ...	7,546.90	7,500.00	
Park	18,494.50	17,700.00	14,000.00
Pound Keeper	5.00	5.00	5.00
Police	146,324.05	151,136.41	146,000.00
Registrars	4,635.04	5,100.00	4,700.00
Rifle Range	877.83	992.96	792.96
School	384,296.49	389,200.00	287,000.00

	1907 Expense.	1908 Estimate.	Committee Recommends.
School Houses	32,431.55	37,783.50	26,200.00
Sewer Construction	42,776.73		
Sewer Maintenance	25,583.80	26,479.30	15,000.00
State Aid	31,525.47	31,600.00	30,000.00
Street	205,906.82	231,051.00	175,000.00
Supply	6,383.21	6,760.20	6,430.00
Watering Streets	17,385.00	18,810.75	17,000.00
Water Works	244,624.07		
Totals	\$1,753,588.30	\$1,543,314.21	\$1,276,459.04

Limit of Indebtedness.

Limit of Municipal Debt for 1908, 2½ per cent. on \$73,508,955.00 (average valuation for last three years).		\$1,837,723.88
Total City Debt, Dec. 31, 1907	\$3,601,648.30	
Deduct Water Loans ...	\$1,136,800.00	
Deduct exemptions by Legislature	800,000.00	1,936,800.00
City Debt as it relates to limit of indebtedness..		1,664,848.30
Distance from Debt Limit, Jan. 1, 1908		\$ 172,875.58

Fixed Charges.

	1907	1908	Increase
City Debt	\$273,339.90	\$294,222.90	\$ 20,883.00
Interest	135,000.00	162,000.00	27,000.00
Sinking Funds	32,300.00	32,300.00	
	\$440,639.90	\$488,522.90	\$47,883.00

Summary of Anticipated Receipts and Appropriations, 1908.

Amount which Assessors are directed to		
raise by taxation	\$1,391,000.00	
Revenue Estimated	398,521.44	
	<hr/>	\$1,789,521.44
Fixed Charges	488,522.90	
Appropriated for Departments	1,276,459.04	
	<hr/>	1,764,981.94
		<hr/>
Balance left in General Treasury Fund,		\$ 24,539.50

Your Committee introduce the accompanying Joint Orders and recommend the adoption of the same.

Respectfully submitted,

HARRY H. J. READ, *Chairman.*

CHARLES P. COMERFORD,

ARTHUR L. GRAY,

TYLER A. STEVENS,

ROYAL K. DEXTER,

THOMAS J. FOUDY,

JOHN W. WAINWRIGHT,

Committee on Appropriations.

CITY OF LOWELL.

In Board of Aldermen.

Order to Appropriate Money to meet Fixed Charges and Current Expenses.

Ordered, If the Common Council concur that the following sums amounting to One Million, Seven Hundred Sixty-four Thousand, Nine Hundred Eighty-one Dollars and Ninety-four Cents (\$1,764,981.94) be and they are hereby appropriated to meet the Fixed Charges and Current Expenses of the City of Lowell for the year beginning January 1, 1908, and ending December 31, 1908.

Assessors.

Salaries	\$ 12,000.00	
Sundries	1,100.00	
	<hr/>	\$13,100.00

Auditor.

Salaries	3,886.67	
Sundries	1,100.00	
	<hr/>	4,986.67

Buildings.

Salaries	4,000.00	
Labor	7,000.00	
Police Station and Memorial Building		
Janitors	2,100.00	
Sundries	9,000.00	
City Hospital Repairs.....	1,100.00	
Stall-pans and Stairs at Hose 10 House	500.00	
New Gutter at Truck 2 House	500.00	
Changes to Boilers	800.00	
	<hr/>	25,000.00

Care of Trees		500.00
Charity		70,000.00
City Cemeteries		7,500.00
City Clerk.		
Salaries	5,282.34	
Sundries	1,000.00	
	<hr/>	6,282.34
City Messenger.		
Salary and Labor	9,485.50	
Fuel	4,000.00	
Sundries	1,800.00	
Lighting	1,400.00	
Police	1,006.50	
	<hr/>	17,692.00
City Scaler.		
Salary	350.00	
Sundries	50.00	
	<hr/>	400.00
City Treasurer.		
Salaries	8,582.00	
Sundries	2,500.00	
	<hr/>	11,082.00
City Weigher.		
Salary	800.00	
Sundries	11.00	
	<hr/>	811.00
Clerk of Committees.		
Salary	1,400.00	
Sundries	200.00	
	<hr/>	1,600.00
Clerk of Common Council		300.00
Elections		
(Principal election officers \$5.00 per day; Deputies, no compensation.)		9,000.00
Engineering		14,000.00

Fire.		
Salaries and pensions	125,652.40	
Sundries	25,000.00	
	<hr/>	150,652.40
Fish Warden		40.00
Health (Office).		
Salaries and Labor	9,000.00	
Sundries	3,000.00	
	<hr/>	12,000.00
Health (Yard).		
Labor	25,000.00	
Sundries	8,000.00	
	<hr/>	33,000.00
Incidentals		2,000.00
Insurance		2,936.59
Inspector of Animals and Provisions.		
Salary	500.00	
Sundries	10.00	
	<hr/>	510.00
Inspector of Milk and Vinegar.		
Salaries	2,206.50	
Sundries	150.00	
	<hr/>	2,356.50
Inspector of Wires.		
Salaries	2,226.00	
Sundries	300.00	
	<hr/>	2,526.00
Law.		
Salaries	4,828.00	
Sundries	1,600.00	
	<hr/>	6,428.00
Library		14,000.00
Lighting		96,227.58

Liquor Licenses		45,000.00
Mayor.		
Salaries	4,200.00	
Sundries	200.00	
	<hr/>	4,400.00
Park.		
Labor	10,000.00	
Sundries	4,000.00	
	<hr/>	14,000.00
Police.		
Salaries and Labor	140,000.00	
Sundries	6,000.00	
	<hr/>	146,000.00
Pound Keeper		5.00
Registrars of Voters.		
Salaries and Clerk Hire	3,500.00	
Sundries	1,200.00	
	<hr/>	4,700.00
Rifle Range.		
Salary	628.00	
Sundries	164.96	
	<hr/>	792.96
Schools		287,000.00
School Houses.		
Labor	11,500.00	
Sundries	11,000.00	
Regrading, Concreting and Paving		
School Yards	1,200.00	
New Gutter at Lyon Street School ...	500.00	
Changes to Boilers	2,000.00	
	<hr/>	26,200.00
Sewer Maintenance		15,000.00
State Aid		30,000.00

Streets.

General Expenses	*168,000.00	
Painting Moody Street Bridge	2,000.00	
New Sidewalks.....	5,000.00	
	<hr/>	175,000.00

Supply.

Salaries	5,530.00	
Sundries	500.00	
Advertising.....	400.00	
	<hr/>	6,430.00

Watering Streets	17,000.00
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Department Total	\$1,276,459.04
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FIXED CHARGES.

City Debt	\$294,222.90	
Interest	162,000.00	
Sinking Funds	32,300.00	
	<hr/>	\$ 488,522.90
Total		<hr/> \$1,764,981.94

And that the revenues of the Water Department be appropriated for its expenses.

*Amended by City Council to \$179,775.00. This item was vetoed by the Mayor and the veto was sustained. City Council subsequently voted the amount recommended by the Appropriations Committee, \$168,000.00.

CITY OF LOWELL

Order relating to Report of Committee on Appropriations.

Ordered, If the Common Council concur, That a sufficient number of copies of the report of the Committee on Appropriations be printed for, and that they be included in the published volumes of the Lowell City Documents for the year 1908, the expense of the printing to be charged to the Appropriation for incidentals.

CITY OF LOWELL.

Order to Assess Taxes for the year Nineteen Hundred and Eight.

Ordered, If the Common Council concur:

First: That the Board of Assessors of the City of Lowell be and they are hereby instructed to raise the sum of One Million, Three Hundred Ninety-one Thousand Dollars (\$1,391,000.00) by assessment upon Polls and Estates of the Inhabitants of the City of Lowell, and Estates of Non-Resident Proprietors, according to law, to defray the current expenses of the City for the financial year beginning January 1, 1908, and ending December 31, 1908.

Second: That interest at the rate of six per centum per annum shall be charged on all taxes under this Order which remain unpaid on and after the twentieth day of October, 1908, until same shall be paid, and such interest shall be added to and be considered a part of said taxes.

Third: That a copy of this Order shall be furnished to the Board of Assessors by the City Clerk within ten days after the approval of the same.



SECOND

ANNUAL REPORT

of the

Board of Charity Commissioners

of the

City of Lowell

For the Year Nineteen Hundred and Seven



BUCKLAND PRINTING COMPANY

General Printers

72-74 Middle Street

Lowell / / / Mass.

The First
Board of Charity Commissioners

Appointed by Mayor James B. Casey

January 15, 1906

Name	Residence	Term Expires
Lawrence Cummings, 29 Huntington St.	- -	January 15, 1911
(Resigned December 20, 1906)		
James J. Brown, 364 Adams St. (Chairman)	-	January 15, 1911
Amasa Pratt, 141 Mt. Vernon St.	- - -	January 15, 1910
Elzear H. Choquette, 89 Butterfield St.	- -	January 15, 1909
James E. Gorman, 412 Gorham St.	- - -	January 15, 1908
<hr/>		
Ambrose Hindle, 79 S. Whipple St.	- - -	January 15, 1912

Meetings

First week and third Wednesday of each month

General Superintendent

MARTIN J. COURTNEY

Office

Nellie A. Keyes	- - - - -	Chief Clerk
Wm. H. Gallagher	- - - - -	Clerk
Walter S. Smith	- - - - -	Inspector

City Dispensary

City Hall : Hours, 9.30 a. m. to 1 p. m., 2.30 to 5 p. m.

Edwin F. Mason, Pharmacist

Ambulance Service

Station : Corner Broadway and Fletcher Streets

Ambulance Physician, Dr. P. E. Sullivan

Drivers

John F. Cuff

John F. Courtney

Albert S. Park

Jeremiah F. Leary

Wood Yard—Drivers

John Donohoe

Patrick Hickey

Physicians—City Physician

Dr. Foster H. Smith, 805 Merrimack Street

District Physicians

District One	-	-	Dr. T. J. Halloran, 4 Runels Building
District Two	-	-	Dr. A. J. Halpin, 3 Swan Building
District Three	-		Dr. Edward M. Murphy, 295 Central Street
District Four	-		Dr. Arthur E. Gillard, 81 Merrimack Street
District Five	-		Dr. Geo. O. Lavallée, 777 Merrimack Street
District Six	-		Dr. Pierre Brunelle, 35 East Merrimack Street

OFFICE OF THE BOARD OF CHARITIES,
CITY HALL,

January 15th, 1908.

*To His Honor the Mayor and the Honorable's
the Members of the City Council,
Lowell, Mass.*

GENTLEMEN :

I have the honor to present the following as the Second Annual Report of the Board of Charity Commissioners for the year 1907.

JAMES J. BROWN,
Chairman,
Board of Charities.

Report of Superintendent

LOWELL, MASS., January 15th, 1908.

*To the Chairman and Members of the
Board of Charity Commissioners,
Lowell, Mass.*

GENTLEMEN:

In accordance with the provisions of the rules of your honorable Board, I herewith present my Annual Report as General Superintendent for the municipal year 1907.

From an industrial standpoint, 1907 can be put down as a fairly prosperous one. While not so much so as 1906, still there was a good demand for labor all through the year up to two months ago, and there was not much excuse for idleness where there was a willingness to work. During the past couple of months a decided business depression has set in, and at present we are experiencing the inevitable results of dull times. Business in the department is very much on the increase. The office is overrun with applicants for all sorts of aid and the institution is caring for more than seventy people daily than at this time one year ago.

The results of the year's work just closed show very gratifying conclusions and must be as pleasing to you as they are to me. Not only have we made a financial saving in

every branch of the department, but, what is of equal importance to my mind, you have elevated the standing of the department in the public mind. You have won the confidence of the people so that at the present time the department stands higher in the public mind than ever before in its history. As you well know by this this time, the general business we are engaged in is but little understood by those not in close connection with the work. The amounts expended yearly appear excessive to the uninitiated, who have but vague ideas as to the duties of the Commissioners and absolutely no knowledge of the scope of your work. The plans and policies pursued by the Board of Charities have won the good wishes of the fair minded of our people, and the wisdom of your acts is bringing its own reward. The position of Charity Commissioner is a thankless one at best. The duties are not those one would voluntarily select ; but there is considerable satisfaction in knowing that your efforts are being appreciated by a sympathetic and appreciating public.

The gross amount expended last year was less than for many years previously and is lower than the amount expended by any other department of our size in the state. The saving appears to have been accomplished without any loss to the general efficiency of the department. The worthy poor on the outside have been as well cared for as at any time heretofore and the inmates at the institutions never fared better. There has been no complaint of a single case of extreme suffering, nor has there been any fault found with the thoroughness of our work. There has been a chopping off of the unnecessary and an effort made to confine the benefits of the department to those actually needing them. There has been paid to the business details the closest attention possible with very gratifying results.

A change in the system heretofore in vogue in the work of the department has been made during the early part of the year. The Assistant Superintendent at the almshouse who, under the General Superintendent, had charge of the institutions, tendered his resignation. By vote of the Commissioners, the General Superintendent was ordered to take up his residence at the city institutions, the position of Assistant Superintendent at the farm being done away with. This placed directly on the Superintendent the supervision of the affairs of the entire department and creates a position second in importance only to the work required. To perform all the diversified duties so as to satisfy everybody is a task well nigh impossible, as is also the doing of just the proper thing in just the proper time. It is too soon to either approve or condemn the change, less than a year having elapsed since its inception. So far it would appear that we have not gone back any. We certainly have made considerable saving in a financial way, and it does not appear at this writing that the saving has been made at the expense of the utility of the department. Time alone will tell.

OUTDOOR RELIEF

This form of relief has occupied much attention from the Commissioners. Every item in its make up has been acted upon, and legislation tending to bring out its benefits and curtail its evils has been enacted. These efforts have been ably seconded by the chief clerk, Miss Keyes, upon whom the bulk of the work of supervision has fallen. As a result, about every item in the list that goes to make up the outdoor relief total shows a decreased cost over that of last year, which in itself was lower than the cost of the year previous. The total cost expended, including \$6,913 worth of provisions delivered

from the farm, was \$38,645, against \$42,367.44 in 1906 and \$49,143.52 in 1905. An examination of the amounts expended on the several items will serve to enlighten the public on the work accomplished. The net expense for outdoor relief for 1907, with receipts deducted, was \$33,310 15. The following are the divisions under which the above given costs were expended :

PROVISIONS AND FUEL

The giving of provisions and fuel is generally what is understood as outdoor relief. It is but a small item in the gross total. Last year the Commissioners did away with the giving of orders on grocery stores, substituting a list of articles to be supplied from our own storehouse sufficient to meet the demands in about every case. The only order on a store now given is in the case of a very old man settled in Concord, and the authorities of that town so order it. The total amount so expended this year was \$108, against \$1,663.45 in 1906, a reduction of 1,555.45. With this substantial reduction in store orders, one would naturally look for an increase in the output from our own storehouse. Such, however, is not the fact, as in 1907 the value of provisions delivered from the farm was \$6,913, against \$7,321.40 the year previous.

By vote of the Commissioners, no aid can be given to any family until after an inspection and investigation has been made by the inspector in the Superintendent's office. At stated intervals every recipient of any sort of assistance is visited, and the conditions found are tabulated and become a part of the records of the office. As soon as a family shows signs of being able to be self supporting, they are immediately shut off. During the year the inspector made 1,469 visits, of which 327 were to new cases. The number of shut off can be

best judged by the fact that every succeeding month shows a depreciation in the amount expended over that of the corresponding month one year ago, with the exception of the month of December, which is \$85.60 more than December, 1906. The total amount reduced was \$2,190.96. The total number of families aided was 677, against 732 the year before. The number of histories taken was 524, against 432 in 1906. The fact that this reduction occasioned no complaints makes the result all the more satisfactory. Constant investigations not only tend to deter many unworthy from applying, but it gives those who are really deserving a much better standing in the office.

CITY DISPENSARY

With more than 6,000 names on its catalogued lists, the machinery operating the city dispensary is not liable to become rusty from lack of something to do. In comparatively prosperous times the volume of business done is no inconsiderable amount; yet in times and conditions causing the mills to curtail or shut down, business takes on a bound that taxes its capacity to the utmost. Each year shows an increased volume of business and the increased cost is not always commensurate with the increase. The dispensary furnished medical supplies to the city almshouse and hospital during the past year, adding a cost of \$1,424.94, or about 100 per cent, to its maintenance cost, not including salaries. The physicians attached to the dispensary staff have performed their work with efficiency and fidelity. The following figures will give an adequate idea of the work done during the year:

Cases treated during the year	4,472
Prescriptions compounded	8,537
Prescriptions for farm	1,334
Ambulance supplies furnished	\$25.60
Total cost of dispensary, including pharmacist's salary	\$2,727.76

The following suggestions from our efficient pharmacist, Mr. E. F. Mason, I deem worthy of incorporating in this report :

“That each district physician serve two months each year, holding clinics daily. This method will result in the physician having greater interest in his cases and enable him to follow more effectively and intelligently. It would also eliminate imposition to a greater extent than the present system does.

“That children be not accepted for treatment unless accompanied with parents or guardians.

“That the acceptance of cases coming in the persons of able-bodied individuals and of a sexual nature, be left to the judgment of the attending physician as to their worthiness.

“That the dispensary formulæ be revised and followed as close as possible.

“That the use of empiries be opposed and discouraged, as heretofore.

“That there be needed additions made to the surgical cases of instruments.

“That a new prescription scales of an up-to-date character be obtained and other improvements tending to increase the efficiency of the service be made.”

AMBULANCE SERVICE

The ambulance service has had a year free from criticism. Like every preceding year, 1907 shows an increased number of calls over the year 1906. This indicates most clearly the place in the every-day life of the city the service has taken. The total number of calls was 1,697, against 1,424 the year before. The total cost of maintaining the ambulances was \$4,471.34, against \$5,328.77 in 1906. The service will cost more money this year, as a new ambulance will be added. Number 1 wagon has been in constant use since 1888 and is now gone beyond repair. One of the other ambulances will need painting and overhauling and a new set of double harnesses should be bought. In getting a new ambulance, I am of the opinion that a much lighter wagon than the ones we have been getting in the past should be had. I fail to see the necessity for such heavy wagons, as they are not only too cumbersome, but are very wearing on the horses. The horses in the service are in good condition and should be so for some time to come.

WOOD YARD

The cost of the wood yard was \$4,139.29. This included \$1,252 for labor and \$2,887.29 for all supplies and other expenses. Of this amount \$2,689.88 was for wood and coal, and the balance for power and incidentals. The total number of orders delivered was 1,136 of what we call 50c. orders, 2,145 \$1 orders and one \$2 order of wood, and 1,133 \$1 orders and two \$2 orders of coal. The total money value of the above mentioned orders as charged is \$3,852, but the actual cost is very much below that amount. The difference in the estimated and the actual costs is simply a bookkeeping account, and is caused from the fact that the intrinsic worth of the orders

do not figure up as high as they are charged. The total number of wood orders—3,882—represent the delivery of less than 175 cords of wood. The 1,135 coal orders represent the output of 200 tons of coal. Of the 316 cords of wood purchased during the year, there is a large quantity on hand that should go well into the present year, provided that business does not take a great boom. It will be absolutely necessary to buy two new wood wagons this year.

CARE OF CHILDREN

The cost under this head in the institutions was \$3,249.10, against \$3,702.52 one year ago. During the summer months the Board visited the different children's institutions where we are boarding children, and examined into the case of each child separately. We have placed out with relatives or in families twenty-five children during the year, and their cost of support is removed from the city. The number of cases for 1907 was 63, of whom 30 remain.

CASH ALLOWANCES

The amount expended in cash allowances during the year was \$2,840.75, being \$631.42 less than the year previous and \$1,838.50 less than in 1905. This form of assistance does not appeal very much to the Commissioners and the closest scrutiny is given to every case. The list is gone over every quarter and new names are added only in the most extreme cases. The money so expended goes for rent, care of children and the board of old people.

PHYSICIANS

The service rendered by the staff of dispensary physicians cannot be surpassed and is a very prominent feature in out-

door relief work. The total number of cases treated at their homes and at the city dispensary was 5,102, of which 630 were house orders. This number of house calls does not represent the number of visits so made, as about every house call will average four visits. The promptness shown by the members of the staff in attending to their calls and in accommodating me by responding to many telephone requests is as it should be and greatly benefits the sick poor of the city. The cost of this branch of the outdoor relief was \$1,395, being \$137.50 less than the year before.

SICK POOR IN HOSPITALS

The number of cases treated at St. John's Hospital during 1907 as patients of this department was 279, at a gross cost of \$1,804.36. This was \$414.65 less than in 1906. Of the amount expended \$1,209 was for the support of city cases and \$595.36 for the support of people who have settlements elsewhere and for whom we will receive reimbursement. The same rate of charges, namely: \$3.50 per week for City of Lowell cases, \$5 per week for state cases and \$7 per week for city and town cases, prevails, enabling this city to care for its sick poor in hospitals at a less expense proportionally than any other city in the state.

GENERAL ITEMS

The remaining items of expenditures in the outdoor relief heading can be had from the tables hereunto annexed. By order of the Board, out-of-town cases will be visited twice each year. The amount expended for the care of Lowell's poor in other cities and towns was \$2,569 73, against \$3,431.46 the year previous.

The placing of consumption in the list of contagious diseases, and thus placing the cost of support under the Board of Health, will decrease somewhat the cost of city and town support and institution bills. This is a new departure by the state legislature and the far reaching effects of the law will have to be tried out in the future. Whether the dependents of the patient afflicted with tuberculosis are to be freed from pauperism when their poverty is due entirely to this disease is a contingency not provided for in the law, but must be decided upon in the near future. If such is the case, the new law will be very far reaching.

The number of burials by the city in 1907 was 117, at a cost of \$732.50. The number of state paupers sent from this city to the state hospital was 309 and the number of Lowell cases sent to that institution from other places was 73.

CITY HOSPITAL AND ALMSHOUSE

The institution has had a very busy year, the population record showing a daily average of 360 inmates, this being a daily average of 34 people more than the year previous. The hospitals have been well filled all the year and at present are filled to the capacity of both. The total population today is 443.

The ordinary daily life in the institution has been much as it ever has been. An attempt has been made to keep able-bodied huskies, who come in the winter and leave in the spring, out and in this we have had very fair success. This class are a source of annoyance at all times. They not only don't appreciate the privilege they have been enjoying for years, but look upon their coming and going as a right they have that should not be interfered with. We have been making the

going a little hard for them and they were not in so much evidence this winter as they have been. During the summer months, when help is badly needed, this class is conspicuous by their absence. It was a noteworthy fact that in a population of 150 men last July and August, we did not have five able-bodied men among them. Among the women there was also an helpless lot. As the necessary work to be done daily in an institution as large as ours is considerable, and must be performed by inmates to a large extent, the task of getting sufficient help during the year was not always an easy one. The condition of many when admitted, reeking with filth and vermin, makes the task of keeping the institution clean no small job and it is of the utmost importance that such be done. Constant vigilance is the price of cleanliness and any relaxation brings disaster.

The gross cost to the city for the city hospital and almshouse for the year was \$49,619.22. Deducting the \$6,913 worth of provisions delivered to outdoor poor and adding the \$1,424.94 worth of medicines delivered from the dispensary to the hospitals, makes the gross cost of the institutions \$44,131.16. The total receipts figured \$1,468.93, making a net cost of the almshouse and hospital for 1907 \$42,662.23. The gross expenditures last year were \$54,941.25 and the net expenses were \$46,990.89. The support of inmates not only included their maintenance, but also the supplying of all of their requisites. Clothing, shoes, board and medicines make up a list of expenditures that reaches no inconsiderable sum yearly. The cost of dressing each male inmate will reach \$9, not to speak of his bedding and board. The women's clothing is all made in the institution and comes considerably cheaper.

During the year the customary number of items of general repairs has been done by the inmates, such as painting, glazing, carpentering, mattress making and jobs of general cleaning. The Superintendent of Lands and Buildings has installed a new system of heating that should save the annual output for coal considerably. There are many repairs needed at the present time, among which are the following : new floor in the laundry, new bath rooms and ceiling in the men's hospital, painting of barns and outhouses, lights in women's hospital stairways, building of a dining room on each floor in the female wards, new floors in the old nursery and many other lesser needs. If the growth of the institution continues to increase the way it has the past year or two, it will be necessary to enlarge the male infirmary.

THE FARM

The condition and management of the farm was a subject of much discussion one year ago. The cost of maintenance was freely commented on and it was asserted, with much truth, that the amount of money annually wasted in carrying on the farm was not only a direct loss to the poor of the city, but was a useless waste of the taxpayers' money. Early in the year a change was made in the management of the farm and since then a very fair degree of success has followed our efforts. One of the first moves made was the moving back nearer the institution the pig house that was situated at the lower end of the farm. The hot house was used to start the early vegetables, thus getting some little return for the money expended in carrying it along. There was an intelligent handling of the help and a knowledge displayed in the work that has brought about good results. The produce raised during the year has seldom been equaled either in quality or quantity and this fact

has in no small measure helped us to keep expenses down. The list of farm produce raised this year, included in this report, represents what was actually harvested and can be accepted without any discount.

During the year many improvements have been made that should materially help us this year. At the lower end of the farm, where eleven acres of land have been lying useless for years for want of proper drainage, much work has been done. It has been ploughed, harrowed, rolled down and seeded and should produce some good hay the coming year.

The asparagus bed that was overrun with weeds last year and was left for this year to see if the crop would justify its keeping, was found to be so small in its yield that a plough was put to it and the field turned into corn. Our potato crop was one of the finest ever raised on the farm. It was one of the most prolific yields in the county, and it is doubtful if any land in this neighborhood could make the showing on potatoes we did. I mention this from the fact that it had been claimed that our land was run out and that it was impossible to raise good crops. We had several pieces that turned out over 200 bushels to the acre and our total raise was 1,452 bushels. We use about seven bushels of potatoes per day and we have not had to buy any since last July.

The greenhouse was discontinued this winter and the plants of any value being placed in the basement of the women's building. It will be used in the early spring for starting the hot bed plants and vegetables. The house is in wretched repair and will be gone over entirely during the winter.

The yearly crop of apples has not been sufficient to warrant us in keeping the orchard longer. With a very generous crop it is always hard to harvest apples, owing to the number

of visitors always romping over the farm in the summer time. The trees are old and the fruit is usually rail roaded throughout. During the winter a large gang of men have been at work removing the trees and next summer we intend to have the entire piece under cultivation. We will then have a clear field from about twenty yards in the rear of the storehouse to the end of the farm on Chelmsford Street. This will add about twelve acres to the cultivated land.

A new silo was built last October and filled with ensilage. It has a capacity of 80 tons and cost \$200. The saving it will bring about will justify the expense, besides being a great value in years to come. A new herd of cows was purchased during the fall and we have every hope of very materially increasing the milk supply. We have a daily consumption of 19 cans. It will take some little time to get the herd working to perfect satisfaction, but that is what we are trying to do and we have great hopes of having a barn full of cows fit for anybody to look at.

The number of hens on the farm is not nearly enough to meet the daily demand for eggs. We made an effort to increase the number last year, but met with indifferent success. What stock we have now is excellent and we should get better returns than heretofore, but we have not a sufficient number by 300 or 400 chickens.

With but little expense we have had fairly good results from our pigs. Beginning last November, we killed 46 hogs which averaged 325 pounds each in weight. The total weight was 14,889 pounds. This sort of pork is the only kind that is of use here. We have been using pork of our own raising since last November and will continue to do so for some three or four months to come. At present we have twenty-one barrels of heavy pork salted, besides several barrels of ribs, heads and

hocks. We have used 1,700 pounds of fresh pork in the institution, that amount going to make up four meals. We have now about 150 growing swine, some of which will be fit to kill in the spring.

The prospects for this year appear very promising. We certainly will get a better start than last and the fields are in better condition. While the prospect of raising supplies to do all the needs of the institution is still very remote, still we will go a long ways, with any sort of fair degree of luck, in cutting down the amount needed to be bought to a minimum. It will be necessary to purchase two new farm horses, as the ones now in harness have long since outlived their usefulness. Many farming machines will have to be bought and other wants that will be brought to your attention later on.

In conclusion, I feel that a fair measure of success has rewarded our efforts. I desire to express my thanks for the valued assistance rendered me by the employees of the department and to you for your unflagging interest and help. With the business outlook as dubious as it is at present, it will be necessary for us to keep continuously at the work, in order that the gain we have made since the organization of the Board will not go back. I doubt our ability to keep the present year's cost down as low as 1907's, but we should try and keep the increase down to the lowest possible figure. I recommend for your consideration a close scrutiny of the following tables.

Tonight marks the departure from our board of Mr. Gorman, one of the original members. He has devoted his time and talents unsparingly to promote the bests interests of the department, and has been a true friend of Lowell's poor people. I feel I am but expressing the wishes of you all in wishing Mr. Gorman many years of success and happiness. We extend the hand of welcome to our new member, Mr. Walter Coburn.

Farm Products, 1907

Apples	5 bbls.
Beef	2,420 lbs.
Beets	510 bu.
Cabbage	400 bbls.
Carrots	100 bu.
Chicken	106 lbs.
Corn	704 bu.
Cucumbers	22½ bu.
Eggs	507 doz.
Ensilage	80 ton
Fowl	336 lbs.
Greens	13 bbls.
Hungarian	4 ton
Lettuce	57 doz. heads
Milk	50,895 qts.
Meadow Hay	18½ ton
Second Crop Hay	1¼ ton
English Hay	52 ton
Oat Feed	7 7-20 ton
Onions	105 bu.
Pears	6 bu.
Peas	30 bu.
Pork	14,889 lbs.
Potatoes	1,452 bu.
Pumpkins	10 bbls.
Radishes	625 bunches
Rhubarb	700 lbs.
String Beans	16 bu.
Squash	100 bbls.
Strawberries	65 boxes
Tomatoes	77 bu.
Turnips	731 bu.

Number of Families Aided to Provisions and Fuel During 1907

	No. of Families	Males	Females	Total
Lowell Cases	480	614	949	1,563
City and Town Cases	36	65	78	143
State Cases	161	252	243	495
Totals	677	931	1,270	2,201

Number of Histories of New Cases Taken During 1907

January	49
February	44
March	36
April	30
May	38
June	40
July	36
August	23
September	32
October	53
November	47
December	96
<hr/>	
Total	524

Number of Ambulance Calls for the Year 1907

	Sick Calls	Accidents	Not Used	Total
January	91	37	10	138
February	73	40	8	121
March	97	44	12	153
April	90	33	9	132
May	92	44	10	146
June	101	51	11	163
July	68	55	19	142
August	64	47	10	121
September	92	33	14	139
October	83	45	10	138
November	87	39	12	138
December	98	58	10	166
Totals	1036	526	135	1697

**Cases Treated at their Homes by District Physicians
for the Year 1907**

	DISTRICTS						
	One	Two	Three	Four	Five	Six	Total
January	21	17	13	5	12	20	88
February	15	16	11	5	10	8	65
March	11	10	8	4	14	5	52
April	5	10	9	3	5	4	36
May	7	4	5	7	12	2	37
June	13	1	6	4	7	5	36
July	8	6	6	3	8	6	37
August	9	6	4	5	13	8	45
September	6	15	6	2	5	3	37
October	9	12	13	8	4	6	52
November	8	12	11	7	6	9	53
December	10	24	9	17	20	12	92
Totals	122	133	101	70	116	88	630

**Number of Cases Treated at Dispensary by District Physicians
for the Year 1907**

	DISTRICTS						
	One	Two	Three	Four	Five	Six	Total
January	72	67	66	52	42	74	373
February	88	42	21	54	52	97	354
March	89	56	38	48	62	101	394
April	105	81	32	51	34	65	368
May	77	57	67	35	52	78	366
June	76	45	27	30	45	95	318
July	65	54	70	34	49	62	334
August	76	38	47	59	58	104	382
September	77	57	45	43	35	104	361
October	86	44	38	62	55	98	383
November	84	65	28	39	77	108	401
December	94	81	28	58	67	110	438
Totals . . .	989	687	507	565	628	1096	4472

Births and Deaths, 1907

	BIRTHS			DEATHS		
	Males	Females	Total	Males	Females	Total
January	2	0	2	4	5	9
February	0	2	2	9	5	14
March	0	0	0	7	2	9
April	2	1	3	3	12	15
May	1	0	1	6	5	11
June	0	0	0	5	5	10
July	1	0	1	8	7	15
August	0	1	1	9	6	15
September	0	0	0	5	7	12
October	0	0	0	1	4	5
November	1	0	1	2	3	5
December	0	0	0	1	5	6
Totals	7	4	11	60	66	126

Admissions and Discharges, 1907

	BIRTHS			DEATHS		
	Males	Females	Total	Males	Females	Total
January	47	38	85	41	19	60
February	38	22	60	37	22	59
March	40	28	68	49	23	72
April	35	31	66	51	42	93
May	36	27	63	45	30	75
June	36	26	62	44	46	90
July	52	25	77	49	22	71
August	47	35	82	30	27	57
September	49	20	69	61	29	90
October	33	34	67	19	20	39
November	48	26	74	25	16	41
December	42	25	67	12	21	33
Totals	503	337	840	463	317	780

Daily Population

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug	Sept.	Oct.	Nov.	Dec.
1	364	389	390	386	359	347	319	325	350	329	357	390
2	369	389	394	386	361	347	318	226	350	332	357	393
3	366	391	394	386	360	348	315	325	345	332	358	397
4	366	391	398	386	361	348	314	324	344	333	363	401
5	365	391	394	380	365	342	314	323	346	335	361	404
6	363	391	395	380	364	340	314	319	346	334	363	404
7	363	391	393	382	364	340	314	323	345	334	367	406
8	365	390	396	381	364	338	314	321	345	332	366	406
9	362	389	396	378	358	339	315	325	343	333	367	407
10	360	393	394	378	361	340	314	325	336	333	366	406
11	369	393	392	376	361	340	312	322	336	337	367	408
12	369	396	394	376	361	340	312	323	329	340	366	407
13	369	395	398	374	361	338	312	325	329	340	365	405
14	374	395	397	374	357	334	312	333	329	338	365	405
15	374	395	396	378	353	337	314	335	330	337	371	406
16	374	397	394	378	353	337	312	334	329	334	373	405
17	379	398	396	378	354	337	310	332	328	337	373	408
18	383	396	396	373	354	337	313	333	329	342	372	409
19	382	399	395	375	354	336	315	330	326	344	370	410
20	382	398	395	375	352	337	316	340	326	348	371	414
21	381	398	395	376	351	342	316	343	328	351	370	416
22	386	398	395	377	350	344	316	344	329	350	371	417
23	388	397	395	377	350	342	317	341	330	353	370	418
24	390	397	395	365	349	342	317	342	329	354	378	421
25	390	395	392	365	351	324	321	340	332	354	381	420
26	389	392	394	367	350	327	321	339	330	353	382	423
27	389	389	385	367	350	328	321	342	333	353	388	423
28	387	389	385	367	350	321	322	343	334	351	389	423
29	385		387	367	350	321	321	345	334	351	388	423
30	386		384	356	356	319	323	346	332	355	390	423
31	391		386		357		324	347		359		424
Avg	379	386	393	363	356	337	316	333	335	345	370	412

**Amount Paid for Lowell's Sick Poor in St John's Hospital
for the Year 1907**

	City Cases	State, City and Town Cases	Total
January	\$148 00	\$12 14	\$160 14
February	117 00	30 26	147 26
March	102 00	83 86	185 86
April	102 00	33 57	135 57
May	70 50	31 56	102 06
June	86 50	7 85	94 35
July	119 00	117 71	236 71
August	77 50	1 00	78 50
September	95 50	42 14	137 64
October	97 00	10 00	107 00
November	81 00	20 00	101 00
December	113 00	205 27	318 27
Totals	\$1,209 00	\$595 36	\$1,804 36

**Amount Paid for Lowell's Dependent Children Outside
of Almshouse**

IN INSTITUTIONS

Institution	Rate per Week	Amount Paid	Number During 1907	Remaining Jan. 1, 1908
St. Peter's Orphan Asylum.....	\$1.50	\$1,315.50	21	13
Lawrence Orphan Asylum.....	1.50	1,105.52	16	12
Working Boy's Home, Boston..	2.00	64.00	1	—
Hospital Cottages, Baldwinville ...	3.25	715.44	5	2
Children's Hos- pital, Boston ...	7.00	19.50	1	—
Mass. School for Blind, Boston...		29.14	1	1
Totals		\$3,249.10	45	28

**Amount Paid for Lowell's Dependent Children Outside
of Almshouse**

IN PRIVATE FAMILIES

	Rate per Week	Amount Paid	Number During 1907	Remaining Jan. 1, 1908
Lucy A. Coburn ..	\$2.00	\$104.30	1	1
Ellen Cunningham	1.50	156.47	2	2
Margaret Welch ..	1.50	52.06	1	1
Jane Aham	Per Month 7.00	84.00	1	—
Robert Montgomery	10.00	190.00	3	3
Totals		\$496.83	8	7

**Amounts Received from Cities and Towns
For Aid Rendered in this City**

CITIES		TOWNS	
Boston	\$ 24.00	Adams	\$ 3 50
Brockton	19.50	Amesbury	128.45
Cambridge	4.50	Amherst	60.00
Chicopee	21.25	Chelmsford	19.50
Fall River	60.55	Colrain	23.75
Fitchburg	22.00	Concord	80.51
Haverhill	9.00	Dedham	29.00
Holyoke	25.50	Dracut	55.00
Lawrence	340.10	Framingham	24.00
Marlborough	58.50	Hardwick	7.00
Newburyport	123.65	Maynard	19.50
Salem	112.80	North Andover	6.00
Waltham	3.50	Oxford	13.00
Woburn	3.00	Stoughton	3.00
		Tewksbury	216.50
		Watertown	3.50
		Ware	1 50
		Westford	5.00
		Peabody	7.50
	<hr/>		<hr/>
	\$827.85		\$706.21
<hr/>		<hr/>	
Total Amount Received....		\$1,534.06	

**Amounts Paid to Cities and Towns
On Account of Lowell's Paupers Residing Therein.**

CITIES		TOWNS	
Beverly	\$137.00	Andover	\$ 91.95
Boston	984.34	Avon	102.00
Fall River	41.93	Clinton	19.20
Haverhill	92.10	Lancaster	3.00
Holyoke	202.25	Southbridge	2.92
Lawrence	46 00	Sturbridge	10.00
Lynn	112.05	Weymouth	57.70
Medford	7.60		
New Bedford	3.00		
Newburyport	109.01		
Newton	69.01		
Salem	145.25		
Springfield	85.50		
Taunton	96.75		
Woburn	49.19		
Worcester	102.03		
	<hr/> \$2,283.01		<hr/> \$286.77
Total Amount Expended		\$2,569.78	

MONTHLY CASH OUTPUT OF OUTDOOR RELIEF, JAN. 1, 1907 TO DEC. 31, 1907.

	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	TOTALS
Superintendent's Office													
Salaries	\$348 09	\$363 98	\$432 06	\$378 98	\$378 98	\$432 06	\$378 99	\$432 07	\$378 99	\$378 99	\$432 07	\$399 74	\$4,735 00
Bills	142 34	6 25	16 97	20 45	18 14	75 97	32 98	38 04	9 90	.....	32 20	15 40	408 64
Cash Allowances	267 81	251 90	248 88	239 23	233 69	234 30	247 69	233 69	233 87	216 41	208 44	224 84	2,840 75
Sundries	33 40	5 45	.....	64 55	14 72	25 04	1 30	.....	19 84	90	.....	2 60	167 80
Dispensary													
Salaries	74 28	80 00	100 00	80 00	80 00	100 00	80 00	100 00	80 00	80 00	100 00	88 57	1,042 85
Bills	62 93	233 63	288 95	281 03	5 00	38 95	201 49	93 40	230 27	120 03	84 13	45 10	1,684 91
Ambulances													
Salaries	222 84	240 00	300 00	240 00	240 00	300 00	240 00	300 00	240 00	240 00	300 00	265 72	3,128 56
Bills	175 14	112 43	125 32	135 93	102 22	65 30	101 14	77 32	158 19	46 57	166 74	76 48	1,342 78
Wood Yard													
Salaries	92 00	96 00	120 00	96 00	06 00	120 00	96 00	120 00	96 00	96 00	120 00	104 00	1,252 00
Bills	68 40	11 50	15 81	1,093 68	607 55	579 78	258 04	10 25	161 25	9 68	14 11	57 24	2,887 29
Physicians	93 31	179 67	120 00	87 32	140 66	83 33	93 32	126 66	102 00	143 66	103 00	122 07	1,395 00

Local Institutions.....	280 14	267 26	305 86	257 07	228 06	220 35	356 71	188 00	233 64	203 00	183 50	396 27	3,119 86
Outside Institutions ...	392 03	272 66	357 31	112 45	276 60	92 39	92 96	569 02	303 57	92 96	688 73	154 89	3,396 57
Cities and Towns	710 15	.....	46 50	69 86	356 98	.....	289 97	200 86	12 00	61 75	81 00	740 71	2,569 78
Burials.....	53 50	31 00	52 00	59 50	55 50	80 00	79 00	50 50	82 00	43 00	34 50	112 00	732 50
Orders on Stores.. ..	18 00	10 00	.....	.....	26 00	.....	18 00	.....	18 00	.....	.....	18 00	108 00
Commonwealth.....	.....	.....	.....	195 01	55 14	.....	.....	.....	.....	.....	669 56	.....	919 71
Totals.....	\$3,034 36	\$2,161 73	\$2,529 66	\$3,411 06	\$2,915 24	\$2,447 47	\$2,567 59	\$2,530 81	\$2,359 52	\$17,32 95	\$3,217 98	\$2,823 63	\$31,732 00

TOTALS OF OUTDOOR AID, JANUARY 1, 1907 TO DECEMBER 31, 1907

	CITY CASES			STATE, CITY AND TOWN CASES				TOTAL
	Wood	Coal	Prov'ns	Wood	Coal	Prov'ns	Orders	
January	\$159.03	\$312.07	\$652.50	36.97	\$73.93	\$165.50	8.00	\$1,408.00
February	146.49	289.97	583.37	38.51	77.03	164.63	10.00	1,310.00
March	282.20	24.42	592.75	56.30	8.58	124.25	10.00	1,098.50
April	227.04	.....	459.05	32.96	.....	65.95	10.00	795.00
May	211.71	.....	440.39	34.29	.....	66.61	8.00	761.00
June	189.82	.....	418.68	36.18	.....	70.32	8.00	723.00
July	172.96	.....	386.91	34.04	.....	68.09	.....	662.00
August	181.46	.....	414.87	28.54	.....	57.13	18.00	700.00
September	168.70	.....	381.36	28.30	.....	66.64	.....	645.00
October	186.40	.....	418.76	35.60	.....	73.24	18.00	732.00
November	196.75	.....	425.46	47.25	.....	92.54	.....	762.00
December	148.68	280.65	583.24	34.82	70.35	140.76	18.00	1,276.50
Total	\$2,271.24	\$907.11	\$5,757.34	\$143.76	\$229.89	\$1,155.66	\$108.00	\$10,873.00

TOTAL EXPENDITURES OF ENTIRE DEPARTMENT FOR YEAR 1907

	OFFICE SUPPLIES AND TRANSPORTATION		GENERAL SUNDRIES		ALMSHOUSE		TOTALS
	Pay Rolls	Bills	Pay Rolls	Bills	Pay Rolls	Bills	
January	\$348 09	\$142 34	\$389 12	\$2,154 81	\$996 08	\$3,228 95	\$7,259 39
February	363 98	6 25	416 00	1,375 50	1,068 21	2,472 12	5,702 06
March	432 06	16 97	520 00	1,560 63	1,293 69	3,954 33	7,777 88
April	378 98	20 45	416 00	2,595 63	955 17	1,996 80	6,363 03
May	378 98	18 14	416 00	2,102 12	961 00	3,430 92	7,307 16
June	432 06	75 97	520 00	1,419 44	1,099 34	2,542 29	6,089 10
July	378 99	32 98	416 00	1,739 62	907 84	2,277 69	5,753 12
August	432 07	38 04	520 00	1,540 70	1,101 83	2,318 90	5,951 54
September	378 99	9 90	416 00	1,554 63	881 50	2,611 84	5,852 86
October	378 99	.....	416 00	937 96	861 13	5,349 24	7,943 32
November	432 07	32 20	520 00	2,233 71	1,061 83	1,436 79	5,716 60
December	399 74	15 40	458 29	1,950 20	925 30	5,886 43	9,635 36
Total	\$4,735.00	\$408 64	\$5,423 41	\$21,164 95	\$12,112 92	\$37,506 30	\$81,351 22

OUTDOOR RELIEF RECEIPTS

Month	Credited Appropriation	Credited to Gen'l. Treas. Fund	Total
January . . . . .	.....	\$15 00	\$15 00
February	\$7 55	1,437 98	1,445 53
March . . . . .	.....	430 89	430 89
April	37 38	92 15	129 53
May	2 75	24 50	27 25
June	4 25	496 69	500 94
July	2 40	230 48	232 88
August	2 75	206 50	209 25
September	10 40	151 50	161 90
October	11 50	166 20	177 70
November	8 50	556 04	566 54
December	7 50	5 00	12 50
Totals	\$94 98	\$3,814 93	\$3,909 91

FINANCIAL STATEMENT**Expenses**

Month	Sundries	Pay Rolls	Salaries	Totals
January	\$3,228 95	\$937 75	\$58 33	\$4,225 03
February.....	2,472 12	1,009 88	58 33	3,540 33
March	3,954 33	1,235 35	58 34	5,248 02
April.....	1,996 80	896 84	58 33	2,951 87
May	3,430 92	902 67	58 33	4,391 92
June	2,542 29	1,041 00	58 34	3,641 63
July.....	2,277 69	849 51	58 33	3,185 53
August	2,318 90	1,043 50	58 33	3,420 75
September	2,611 84	823 16	58 34	3,493 34
October	5,349 24	802 80	58 33	6,210 37
November.....	1,436 79	1,003 50	58 33	2,498 62
December.....	5,886 43	866 96	58 34	6,811 73
Totals.....	\$37,506 30	\$11,412 92	\$700 00	\$48,619 22

Receipts

Month	Outdoor Dept.	Gen. Treas. Fund	Totals
January	\$818 00	\$192 45	\$1,010 45
February.....	740 00	253 57	1,001 57
March	717 00	203 91	920 91
April.....	525 00	22 57	547 57
May.....	507 00	99 96	607 96
June.....	489 00	37 27	526 27
July.....	455 00	71 51	526 51
August.....	472 00	22 41	494 41
September.....	448 00	44 13	492 13
October	492 00	301 28	793 28
November.....	518 00	53 60	571 60
December.....	724 00	166 27	890 27
Total.....	\$6,913 00	\$1,468 93	\$8,381 93

Gross Expense.....	\$49,619 22	Plus Medicine from Dis-	
Less Receipts.....	8,381 93	pensary.....	\$1 424 94
Net Expense	41,237 29	Total Net Cost.....	42,662 23
Weekly Per Capita.....	\$2 27		

FINANCIAL STATEMENT OF CHARITY DEPARTMENT FOR YEAR 1907

OUTDOOR RELIEF

Credits

Appropriation, Office.....	\$5,000.00
Additional Appropriation, Office....	143.64
Sundries, Appropriation.....	27,000.00
Receipts Credited to Dept.	94.98
	<hr/>
	32,238.62
Returned to General Treasury Fund..	506.62
	<hr/>
Total Credit.....	\$31,732.00

Debits

Salaries and Office Expenditures	\$5,143.64
Expenditures for Sundries	26,588.36
	<hr/>
Total Debit	\$31,732.00

Net Expenses of Outdoor Relief

Gross Expenditures.....	\$31,732.00
Less Department Receipts	94.98
Less Receipts to General Treasury Fund .	3,814.93
	<hr/>
Total Net Expense	\$27,822.09

CITY HOSPITAL AND ALMSHOUSE

Credits

Appropriation, Labor.....	\$11,000.00
Additional Appropriation, Labor.....	1,112.92
Appropriation, Sundries	30,000.00
Additional Appropriation, Sundries ..	7,505.95
Receipts Credited to Department.....	.35
	<hr/>
Total Credit	\$49,619.22

Debits

Expenditures for Labor.....	\$12,112.92
Expenditures for Sundries.....	37,506.30
	<hr/>
Total Debits.....	\$49,619.22

Net Expenditures, City Hospital and Almshouse

Gross Expenditures.....	\$49,619.22
Less Receipts credited General Treasury	
Fund	1,468.93
Less Receipts credited to Department ....	.35
	<hr/>
Total Net Expense	\$48,149.94

RECAPITULATION**Gross Expense of Department**

Outdoor Relief.....	\$31,732.00
City Hospital and Almshouse	49,619.22
	<hr/>
Total Gross Expense	\$81,351.22

Net Expense of Entire Department

Outdoor Relief.....	\$27,822.09
City Hospital and Almshouse	48,149.94
	<hr/>
Total net expense for 1907	75,972.03

The above is the amount of money actually expended for each branch of the department. The appropriations are kept separate and, although no money changes hands in the dealings of one branch of the department with the other, an account is kept which enables us to give the actual gross and net cost of both the Outdoor Relief and City Hospital and Almshouse. They are as follows :

Outdoor Relief

Gross Cost	\$31,732.00
Cost of Provisions delivered from Farm	6,913.00
	<hr/> 38,645.00
Credit by Medicines delivered to Farm	1,424.94
	<hr/> 37,220.06
Total Gross Cost.....	37,220.06
Less Receipts.....	3,909.91
	<hr/> \$33,310.15
Total Net Expense	

City Hospital and Almshouse

Gross Cost	\$49,619.22
Cost of Medicines from Dispensary	1,424.94
	<hr/> 51,044.16
Credited by Provisions delivered Outdoor Relief...	6,913.00
	<hr/> 44,131.16
Total Gross Cost.....	44,131.16
Less Receipts.....	1,469.28
	<hr/> \$42,661.88
Net Expenses.....	

ACTUAL COST OF DEPARTMENT BRANCHES**Gross Expenses**

Outdoor Relief.....	\$37,220.06
City Hospital and Almshouse.....	44,131.16
	<hr/> \$81,351.22
Total Gross Expense	

Net Expense

Outdoor Relief.....	\$33,310.15
City Hospital and Almshouse.....	42,661.88
	<hr/> \$75,972.03
Total Net Expense	

Respectfully submitted,

MARTIN J. COURTNEY,
Superintendent.

ANNUAL REPORT
OF THE
BIRTHS, MARRIAGES AND DEATHS
IN THE
CITY OF LOWELL
FOR THE YEAR 1907



LOWELL, MASS.,
PRESS OF C. E. ROBINSON
1908

CITY OF LOWELL.

IN BOARD OF ALDERMEN,
March 17, 1908.

Received and ordered on file.

GIRARD P. DADMAN, City Clerk.

CITY OF LOWELL.

CITY CLERK'S OFFICE, }
March 17, 1908. }

TO THE HONORABLE CITY COUNCIL:

GENTLEMEN:—I have the honor to present you herein the annual report of Births, Marriages and Deaths for the year 1907, as of record in this office, to wit:

BIRTHS.

	WARDS—One	Two	Three	Four	Five	Six	Seven	Eight	Nine	Ward not given	Total
Whole number.....	184	319	248	272	236	778	219	187	243	3	2689
Males.....	104	174	128	118	121	414	115	103	139		1416
Females.....	80	145	120	154	115	364	104	84	104	3	1273
American Parents...	51	36	74	55	47	77	61	66	68		535
Foreign Parents	86	214	121	158	144	559	94	60	118	2	1556
American Father,											
Foreign Mother...	25	28	19	28	22	61	31	24	31	1	270
Foreign Father,											
American Mother	22	34	33	26	18	76	32	28	25		294
Parents' Nationality											
Not given.....			7	3	3	5	5	1	9	1	34
Twins.....	3	2	2	4	2	10	3	3	1		30

In addition to the above the births of fourteen children are recorded born in Lowell of parents residents out of the city.

Still Births, not included, 157.

MARRIAGES.

Eleven hundred and twenty-seven notices of intention of marriage were received and entered in 1907, being 17 more than in 1906.

The number of marriages recorded in 1907 was 1150, being 27 more than in 1906. Marriages solemnized in Lowell, 1055; elsewhere, 95.

MARRIAGES IN 1907, BY MONTHS.

January.....81	May.....72	September.....93
February.....93	June.....182	October.....123
March.....39	July.....79	November.....147
April.....97	August.....93	December.....51

NATIONALITIES OF CONTRACTING PARTIES.

	GROOMS	BRIDES
United States	491	449
Canada	191	186
Ireland.....	91	116
Russia and Poland.....	79	70
Austria	66	76
British Provinces	40	63
England.....	47	52
Greece.....	51	48
Portugal and Western Islands.....	33	34
Norway and Sweden.....	18	22
Scotland.....	13	15
Other Countries.....	32	17

	GROOM	BRIDE
Oldest couple married.....	75	70
Youngest couple married.....	18	16

Oldest person married, 78 years. Youngest person married, 16 years.
Grooms under 21 years, 64. Brides under 18 years, 28.

DEATHS.

The total number of deaths returned and recorded in the City Clerk's Office for the year 1907, exclusive of still births, was 2105, of which number 42 were residents of Lowell, who died elsewhere, making the number of deaths returned and recorded as having occurred in Lowell (30 of which were residents of other cities and towns) 2063, an increase of 144 over the year 1906.

Males	1002
Females	1061
Persons between 80 and 90 years	99
Persons over 90 years	6
Still Births	157

Statistics in greater detail relating to deaths may be found in the annual report of the Board of Health.

Respectfully submitted,

GIRARD P. DADMAN,

City Clerk.

Table Giving the Number of Births, Marriages and Deaths in Lowell since its Incorporation.

YEAR	POPULATION	BIRTHS	MARRIAGES	DEATHS	YEAR	POPULATION	BIRTHS	MARRIAGES	DEATHS
1843		Est. 5010	Est. 4500	Est. 4186	1876		1264	514	1147
1844	25163	662	319	362	1877		1341	552	1029
1845		660	399	363	1878		1332	546	1088
1846	29127	772	591	690	1879		1412	635	1006
1847		719	659	949	1880	59485	1770	744	1312
1848		796	516	825	1881		1840	786	1287
1849		672	320	903	1882		1755	813	1322
1850	33383	966	674	492	1883		1681	848	1432
1851		1018	669	629	1884		1786	735	1401
1852		1007	669	604	1885	64107	1769	707	1328
1853		1093	742	734	1886		1813	813	1499
1854		1092	808	834	1887		1835	873	1872
1855	37554	1039	687	766	1888		1886	886	1763
1856		1034	632	790	1889		2133	965	1894
1857		1051	585	818	1890	77696	2175	979	1960
1858		827	467	626	1891		2203	944	1976
1859		983	496	739	1892		2714	941	2228
1860	36827	1077	497	720	1893		2688	955	2108
1861		949	459	713	1894	84359	2764	793	1790
1862		763	368	641	1895		2772	978	1898
1863		657	302	695	1896		2805	854	1896
1864		658	335	633	1897		2622	866	1882
1865	30990	672	406	575	1898		2422	962	1835
1866	36878	813	625	749	1899		2419	1015	1880
1867		826	596	640	1900		2574	1135	1852
1868		860	495	857	1901	94969	2770	1022	2042
1869		858	575	763	1902		2496	1075	1944
1870	40928	926	515	952	1903		2514	1026	1897
1871		886	647	1033	1904	94889	2515	1065	1736
1872		1099	670	1048	1905		2513	981	1899
1873		1365	705	1161	1906		2538	1123	1919
1874		1356	580	1184	1907		2689	1150	2063
1875	49688	1296	513	1020			104,272	50,302	82,879

THIRTIETH
ANNUAL REPORT
OF THE
BOARD OF HEALTH
OF THE
CITY OF LOWELL

For the Year Nineteen Hundred Seven



THE BUTTERFIELD PRINTING COMPANY
LOWELL, MASS.
1908

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ORGANIZATION 1907

Board of Health

WILLIAM C. DOHERTY, Chairman
THOMAS J. BEANE, Secretary
LEONARD HUNTRESS, M. D.

Health Department Officers

FREDERICK A. BATES, Agent
THOMAS B. SMITH, M. D., Bacteriologist
WILLIAM A. JOHNSON, M. D., Physician
FRANCIS J. O'HARE, Inspector Contagious Diseases
STEPHEN GARRITY, Plumbing Inspector
WILLIAM H. CONNORS, Plumbing Inspector
JOHN KEARNEY, Health Inspector
JAMES J. SPILLANE, Health Inspector
JOHN M. FARRELL, Inspector Meat and Provisions
KATHARINE W. SNOW, Registrar

CITY OF LOWELL

IN BOARD OF ALDERMEN

Received, read and ordered on file, sent down for concurrence.

GIRARD P. DADMAN,

February 11, 1908

Clerk

IN COMMON COUNCIL

Received, read and ordered on file; in concurrence.

FRANK M. DOWLING,

February 11, 1908

Clerk

REPORT

To the Honorable Mayor and City Council of the City of Lowell:

The Board of Health respectfully presents its thirtieth annual report.

The Board of Health consisting of Mr. William C. Doherty, Dr. Leonard Huntress and Mr. Thomas J. Beane effected organization on the 14th of February by choosing Mr. Doherty chairman, and Mr. Beane secretary.

On January 23rd, the Board passed the following "Regulation for the Public Health and Safety":

"On and after March 1st, 1907, the practice of exposing Meat, Poultry and Fish outside of market places will not be allowed."

We are glad to say that this rule has been observed in a most satisfactory manner.

On July 5th, the following regulation was adopted by the Board:

"On and after August 20th, 1907, no vehicles containing offal, skins or hides, or meats from wholesale houses will be permitted to pass through the public streets unless the following regulations be strictly observed:

All vehicles used by rendering companies to convey offal through the streets shall be completely covered.

Skins and hides shall be completely covered. Dripping pans shall be placed underneath the vehicles to prevent drippings from such skins or hides from falling on the streets.

All meats from wholesale houses shall be completely covered while passing through the public streets.

Below we give a detailed statement of the expenditures for the year 1907, together with reports from the Inspector of Provisions, the Plumbing Inspectors, the Plumbing Commission, the Inspector of Animals and the Bacteriologist.

INSPECTOR OF PROVISIONS

LOWELL, MASS., January 1st, 1908

To the Board of Health, Lowell, Mass.

GENTLEMEN :

I herewith submit to you my report as Inspector of Provisions for the year 1907.

I have made a thorough inspection of the wholesale and retail markets where perishable goods kept for food are for sale. I have spent two days each week making thirty visits each day, taking a section each day.

In my visits I find a vast improvement over last year both in the quality of the meats, poultry, fish and game kept for sale, and the manner in which they are handled, which the few complaints at your office will certify.

I have stamped twenty-two (22) dressed cattle, sixty-five (65) hogs, condemned two (2) carcasses of beef, and turned them over to the Lowell Rendering Company.

I would like to say a few words in regard to the act passed by the Board of Health in regard to the exposing of meats, poultry, fish, and game outside of shop doors. It is a great benefit to the public health on account of the many contagious disease germs that must be mixed with the dust and dirt of the streets, and caught up by the winds and deposited on the meats exposed outside the shops. While some store-keepers feel a little provoked, when they stop and think of the great number of diseases that can be checked by this act I am sure they will feel overpaid and enter into this matter heart and hand with the Board of Health.

Respectfully submitted,

JOHN M. FARRELL

LOWELL, MASS., January 1st, 1908

F. A. Bates, Agent Board of Health.

SIR:— The following is a report of the plumbing work done for the year ending December 31st, 1907.

Whole number of applications for permits to do plumbing, 819

New buildings	144
Old buildings	675
Total	<u>819</u>
Total number of visits	2570

Respectfully,

STEPHEN GARRITY
WILLIAM H. CONNORS

Plumbing Inspectors

LOWELL, MASS., December 31, 1907

The following is a report of the work done by the Plumbing Commission for the year ending December 31st, 1907:

Number of Applicants for examination	34
For Master Plumbers' licenses	12
For Master Plumbers' licenses, passed.....	5
For Master Plumbers' licenses, failed.....	7
For Journeymen Plumbers' licenses	22
For Journeymen Plumbers' licenses, passed	8
For Journeymen Plumbers' licenses, failed..	14

Master Plumbers' licenses granted to Thomas A. Ellis, Walter Jewett, Thomas H. Murphy, (special), Nelson D. Keable, (special), George A. McTosh.

Journeymen Plumbers' licenses granted to John J. Wilson, William P. F. Kenifick, Alonzo D. Rogers, George H. Lorman, Frank Dalton, John H. Quigley, Arthur L. Collins, James W. Tweedale.

DENNIS J. PENDERGAST,

Secretary

BOARD OF HEALTH IN ACCOUNT WITH PLUMBING COMMISSION

Forward from 1906	\$ 1.64
Received from examinations and renewals	73.00
	<hr/>
	\$74.64

1907

Cr.

March 30, paid D. J. Pendergast	\$15.00
May 11, paid D. J. Pendergast	10.00
June 24, paid D. J. Pendergast	10.00
August 24, paid D. J. Pendergast	10.00
December 5, paid D. J. Pendergast	20.00
	<hr/>
	\$65.00
	<hr/>
December 31, 1907, cash on hand	\$ 9.64

Notices to abate the following nuisances were sent from this office during the year 1907:

Clogged sink wastes	13
Leaky sink wastes	25
Defective sink traps	5
No cover on sink traps	4
No water supply to sinks	12
Untrapped sinks	2
Leaky sink collar	1
Decayed woodwork around sink	5
Unsealed sink trap	3
Insufficient water supply to sinks	2
Defective drainage	10
Clogged drains	18
Filthy yards	108
Clogged cesspools	4
Loose cover on house trap	1
No cover for water closet trap	1
Filthy water closets	27
Unsealed water closet trap	1
No water supply to water closets	52
No seats to water closets	2
Decayed woodwork around water closets	15
Leaky water closets	22
Insufficient water supply to water closets	4
Clogged water closets	75
Broken water closet bowls	6
Leaky water closet tank	1
No cover for water closet trap	1
Filthy tenements	7
Filthy stables	4
Remove manure from barn cellars	7
Filthy cellars	57
Filthy ash chutes	1
Rubbish in cellar	4
Defective joints in sink waste	8
Leaky water supply pipes	6
Clogged soil pipes	1
Broken and leaky soil pipes	7
Leaky roofs	5
Filthy hallways	4
Defective dry well	1
Manure in yard	5
Leaky vaults	1

Defective soil pipe	1
Rubbish in shed	1
Permits given to T. F. Fay to clean vaults	113
Permits given to T. F. Fay to clean dry wells	39
Permits given to T. F. Fay to clean water closets...	2
Permits given to F. A. Fox to clean vaults	27
Permits given to F. A. Fox to clean dry wells	5

OFFICE OF INSPECTOR OF ANIMALS

LOWELL, MASS., January 1, 1908

Board of Health, City of Lowell.

GENTLEMEN:

I herewith submit my annual report for the year ending December 31st, 1907.

In my yearly inspection of meat stock and other farm animals, under directions from the Cattle Bureau, I have examined and made notes as regards sanitary conditions, dimensions, locations, etc., of forty-two (42) barns, in which I have made a physical examination of two hundred and seventy-five (275) cows, two (2) bulls, two (2) oxen, twenty-nine (29) young cattle, two (2) sheep, and three hundred and forty-seven (347) pigs, making a total of six hundred and fifty-seven (657) animals. Of these I have put in quarantine six (6) cows, four (4) of which were killed and found badly infected with tuberculosis.

Two cows were also killed which came into the state without having fulfilled all the requirements for admittance.

I have identified and released three hundred and forty-two (342) cows which were brought into the state. I have examined

for glanders nineteen (19) horses, five (5) of which have been killed without waiting for the state representative, and the stables disinfected. Fourteen were quarantined and killed by order of the State Cattle Bureau.

Of rabid dogs, there have been eleven (11) which I have personally examined and killed. Eight (8) killed and reported to me by other veterinary surgeons. Eight dogs killed by the police and from their description of symptoms without much doubt werè rabid.

This makes over two dozen cases of undoubted cases of which I personally have had knowledge during the year, and there must have been many more of which I obtained no knowledge. Of dogs which had bitten other dogs or people, I have sent the heads of ten (10) to be examined at the Harvard Medical College and of these, nine (9) have been reported as positively rabid. Of dogs bitten by rabid dogs, the police have killed by my directions, twelve (12) and many by their owner's wishes, while nine (9) dogs have been placed in quarantine.

Most respectfully yours,

W. A. SHERMAN

Inspector of Animals

CASES OF CONTAGIOUS DISEASES REPORTED

	1907	1906	1905	1904	1903
Diphtheria, including Croup	521	370	203	272	272
Scarlet Fever	134	87	48	120	146
Measles	139	604	149	429	55
Typhoid Fever	73	34	56	48	238
Small Pox	0	0	24	5	11
Cerebro-Spinal Meningitis	22	50	93		
	<hr/> 889	<hr/> 1145	<hr/> 573	<hr/> 874	<hr/> 722

DEATHS FROM CONTAGIOUS DISEASES

Diphtheria, including Croup	45	40	20	34	34
Scarlet Fever	5	3	0	5	8
Measles	5	13	6	14	0
Typhoid Fever	9	7	17	17	26
Smallpox	0	0	0	1	0
Cerebro-Spinal Meningitis	20	39	61	5	2
	<hr/> 84	<hr/> 102	<hr/> 104	<hr/> 76	<hr/> 70

CASES OF DIPHTHERIA AND CROUP REPORTED TO THE BOARD OF HEALTH FOR THE YEAR 1907

	DIPHTHERIA		CROUP	
	Cases	Deaths	Cases	Deaths
January	50	5	1	1
February	22	0	2	0
March	27	4	1	0
April	25	2	0	0
May	43	4	0	0
June	26	2	1	0
July	21	0	0	0
August	32	1	1	1
September	52	2	0	0
October	73	9	2	1
November	57	6	0	1
December	82	4	3	2
	<hr/> 510	<hr/> 39	<hr/> 11	<hr/> 6

Mortality of Diphtheria, $7\frac{1}{2}$ per cent.

Mortality of Croup, 54 per cent.

MORTALITY OF DIPHTHERIA

1894	33.0 per cent.
1895	44.0 per cent.

ANTITOXIN TREATMENT

1896	43.0 per cent.
1897	23.0 per cent.
1898	23.0 per cent.
1899	18.0 per cent.
1900	10.0 per cent.
1901	12.0 per cent.
1902	9.5 per cent.
1903	10.5 per cent.
1904	11.0 per cent.
1905	6.0 per cent.
1906	9.0 per cent.
1907	7.5 per cent.

LOWELL, MASS., January 31, 1908.

To the Members of the Board of Health, Lowell, Mass.

GENTLEMEN :

I have the honor hereby to submit a report of the work done in the Bacteriological Laboratory during the year ending December 31st, 1907

DIPHTHERIA

CULTURES EXAMINED

	For Diagnosis Positive	Negative	For Release Positive	Negative	No Result	Whole Number Exam.
January	38	92	81	54	5	270
February	21	38	63	34	3	159
March	22	34	38	28	2	124
April	22	37	53	25	2	139
May	31	35	41	30	1	138
June	20	22	59	37	2	140
July	19	11	34	26		90
August	28	12	60	29	6	135
September	34	35	45	27	1	142
October	58	54	79	65	5	261
November	43	44	80	73	3	243
December	72	56	104	55	5	292
	408	470	737	483	35	2133

USE OF ANTITOXIN

	Cases	Per cent.	Per cent. Died	Deaths
Diphtheria	521			
Antitoxin Used	496	95	37	7
Antitoxin not used	25	5	8	32

QUARANTINE PERIOD

In 463 cases, the average time of quarantine was 25 days. The longest case lasted 80 days.

TUBERCULOSIS

EXAMINATION OF SPUTUM

	Positive	Negative	Whole Number
January	4	27	31
February	10	32	42
March	16	40	56
April	9	28	37
May	7	28	35
June	8	35	43
July	13	33	46
August	7	23	30
September	9	18	27
October	9	44	53
November	9	26	35
December	11	32	43
	<hr/> 112	<hr/> 366	<hr/> 478

TYPHOID FEVER

EXAMINATION OF BLOOD FOR WIDAL REACTION

	Positive	Negative	No Result	Whole Number
January	1	5		6
February		16	1	17
March		10		10
April	2	8		10
May	1	6	1	8
June	4	9		13
July	2	7		9
August	6	6	1	13
September	12	12	1	25
October	16	23	2	41
November	8	12		20
December	7	18	3	28
	<hr/> 59	<hr/> 132	<hr/> 9	<hr/> 200

MALARIA

Three specimens of blood were examined for the presence of the Malarial Parasite, two of which were negative and one positive.

GENERAL EXAMINATIONS

Seven specimens of pus were examined for the presence of Gonococcus, five of which proved positive. One case of Purulent Conjunctivitis was examined for the presence of Gonococcus and proved positive.

A number of other examinations were made also of pus and exudates and other pathological materials.

THOMAS B. SMITH, M. D.

Bacteriologist

Our expense at the Lowell Hospital for 1907 was \$399.15 as compared with \$676.15 in 1906.

Vernon Wilder	\$11.43
Greta Holland	16.43
Charles McCarthy	44.29
Mary Carmody	7.04
Clara Pearson	24.29
Agnes Thanasopoulos	38.57
Stannatius Bardis	40.00
Charles Loring	2.86
Gertrude Spencer	5.71
Mary Daly	15.71
Edward Matthewson	18.57
Robert Noonan	5.86
Cornelius Connelly	21.43
Christine Martin	34.29
Lena Lepper	15.00
Henry Adams	30.00
Theresa Wood	5.86
Clara Wood	5.27
Katharine McKim	37.14
James Fleming	5.11
James Hayes	2.86
Dorothy Rogers	11.43
	<hr/>
	\$399.15

SCARLET FEVER

	1907	1906	1905	1904
Cases Reported	134	87	48	120
Deaths	5	3	0	5
Per cent. total cases	4	3	0	4

	Reported Cases	Deaths
January	18	0
February	15	2
March	17	0
April	26	0
May	13	1
June	5	1
July	3	0
August	7	0
September	3	0
October	7	1
November	8	0
December	12	0
	<hr/> 134	<hr/> 5

MEASLES

	Reported Cases	Deaths
January	15	1
February	6	0
March	4	1
April	6	0
May	7	0
June	23	1
July	3	0
August	0	0
September	3	0
October	0	0
November	10	0
December	62	2
	<hr/> 139	<hr/> 5

TYPHOID FEVER

	Reported Cases	Deaths
January	3	0
February	1	0
March	0	1
April	4	1
May	3	0
June	3	0
July	2	1
August	7	0
September	13	1
October	22	3
November	8	2
December	7	0
	<hr/> 73	<hr/> 9

TYPHOID FEVER

	Population	Reported Cases	Deaths
Total 1907	96380	73	9
Total 1906	96380	30	7
Total 1905	94889	56	17
Total 1904	104402	48	17
Total 1903	101959	238	26
Total 1902	99574	83	16
Total 1901	94969	70	18
Total 1900	94969	85	17
Total 1899	90114	57	17
Total 1898	87000	119	24
Total 1897	87000	105	18
Total 1896	95700	178	36
Total 1895	84359	172	33
Total 1894	83026	282	50
Total 1893	81694	160	53
Total 1892	80361	373	75
Total 1891	79029	293	77
Total 1890	77696	454	123

A decrease from 1.59 per thousand inhabitants to .09 in eighteen years.

PLACES OF DEATH

Lowell Hospital	5
Ward 5	1
Ward 6	1
Ward 8	1
Ward 9	1
	<hr/>
	9
Males	4
Females	5
Oldest	56
Youngest	13

DEATHS FROM CHOLERA INFANTUM

	1907	1906	1905	1904
January	2	0	1	0
February	1	0	0	0
March	0	0	0	0
	<hr/>	<hr/>	<hr/>	<hr/>
Total first quarter	3	0	1	0
April	1	0	0	1
May	0	1	3	0
June	1	2	5	2
	<hr/>	<hr/>	<hr/>	<hr/>
Total second quarter	2	3	8	3
July	34	44	52	47
August	34	31	24	37
September	13	13	11	22
	<hr/>	<hr/>	<hr/>	<hr/>
Total third quarter	81	88	87	106
October	7	2	4	3
November	0	0	2	1
December	0	0	2	0
	<hr/>	<hr/>	<hr/>	<hr/>
Total fourth quarter	7	2	8	4
	<hr/>	<hr/>	<hr/>	<hr/>
Total for year	93	93	104	113

VITAL STATISTICS

	1907	1906	1905	1904	1903
Deaths, male	1006	944	954	860	945
Deaths, females	1057	974	945	876	953
	<hr/> 2063	<hr/> 1918	<hr/> 1899	<hr/> 1736	<hr/> 1898
	1907	1906	1905	1904	1903
Children under 1 year	537	544	495	498	554
Children under 2 years	621	652	596	590	660
Children under 5 years	699	754	688	673	738
Per cent. of total deaths under					
5 years	33.9	39.3	36.2	38.8	38.8

BIRTHPLACE

	Of Deceased	Of Parents
Lowell	916	231
Massachusetts, elsewhere	128	195
Other States	286	567
Ireland	349	1157
Canada	182	955
Great Britain	111	311
Other Countries	75	411
Unknown	16	299
	<hr/> 2063	<hr/> 4126

PLACES OF DEATH

Ward 1	125
Ward 2	232
Ward 3	157
Ward 4	173
Ward 5	173
Ward 6	410
Ward 7	145
Ward 8	143
Ward 9	152
Almshouse	126
Lowell Hospital	72
St. John's Hospital	78
Lowell General Hospital	77
<hr/>	
Total	2063
Still Births during year	157

PLACES OF INTERMENT

St. Patrick's Cemetery	813
Edson	456
Lowell	89
St. Joseph's	482
St. Peter's	33
Other Cemeteries	9
Removed	181
<hr/>	
2063	

DEATH RATE

	Year	Population	Deaths	Death Rate
Population, census	1890	77,696	1959	25.21
estimated	1891	79,029	1972	24.95
estimated	1892	80,361	2224	27.67
estimated	1893	81,694	2094	25.62
estimated	1894	83,026	1775	21.28
census	1895	84,359	1857	22.01
estimated	1896	85,700	1901	22.18
estimated	1897	87,000	1855	21.33
estimated	1898	87,000	1808	20.78
estimated	1899	90,114	1848	20.50
census	1900	94,969	1849	19.47
estimated	1901	94,969	2038	21.45
estimated	1902	99,574	1935	19.43
estimated	1903	101,959	1898	18.61
estimated	1904	104,402	1736	16.62
census	1905	94,889	1899	20.02
census	1906	96,380	1918	19.90
estimated	1907	96,380	2063	21.40

CAUSES OF DEATH	Total Mortality for 1907	AGE																SEX										
																		Males	Females									
		Under 1 year	1 year and under 2 years	2 years and under 3 years	3 years and under 4 years	4 years and under 5 years	Total under 5 years	5 years and under 10 years	10 years and under 15 years	15 years and under 20 years	20 years and under 25 years	25 years and under 30 years	30 years and under 35 years	35 years and under 40 years	40 years and under 45 years	45 years and under 50 years	50 years and under 55 years	55 years and under 60 years	60 years and under 65 years	65 years and under 70 years	70 years and under 75 years	75 years and under 80 years	80 years and under 85 years	85 years and under 90 years	90 years and over			
I. General Diseases—Continued																												
54. Anemia, chlorosis	11	1					1					1	1	2	1	1	1			1							4	7
55. Other general diseases																	1										2	
56. Alcoholism, acute and chronic.....	2													1														
57. Saturnism																												
58. Other trade intoxications																												
59. Other chronic poisonings																												
Total general diseases	395	24	13	13	8	6	64	23	3	16	20	37	33	36	37	22	2	21	17	18	4	10	3	2	0	174	221	
II. Diseases of the Nervous System and of the Organs of Sense																												
60. Encephalitis	5	1	1				2																				4	1
61. Meningitis, simple	29	11	4			2	22		1		1	3				1		1	1							17	12	
61a. Meningitis, epidemic cerebrospinal...	20	1	1		1	1	5		2	4	1	1	1	2												14	6	
62. Locomotor ataxia, progressive	1																									1	4	
63. Other diseases of the spinal cord.....	4																										4	
64. Cerebral congestion and hemorrhage.	123	1	1				2		1		1	1		6	1	3	10	20	21	13	10	13	12	4	1	49	14	
65. Cerebral softening	1																										1	
66. Paralysis, without cause assigned....	35	1					1						1		3	5	5	3	6	6	3	2	1	1		15	20	
67. General paralysis	9														1				1							7	2	
68. Other forms of mental alienation....	3																1		1							2	1	
69. Epilepsy	1										1															1	1	
70. Eclampsia, (non-puerperal)	6										4		1													2	2	
71. Convulsions of children	25		3				24	1		1	1															7	1	
72. Tetanus	1	21																								1	6	
73. Chorea																										12	13	
74. Hysteria																											1	
74b. Other affections of the nervous sys- tem	11			1			1			1			1	1	1	2	1	1	2							4	7	

II. Diseases of the Nervous System and of the Organs of Sense—Continued																													
75.	Diseases of the eye and appendages...																												
76.	Diseases of the ear																												
	Total of the nervous system, etc....	274	36	10	7	1	3	57	8	4	6	7	2	8	9	12	12	18	25	31	21	19	16	13	5	1	125	149	
III. Diseases of the Circulatory Appa- ratus																													
77.	Pericarditis	4																											
78.	Endocarditis, acute	56																											
79.	Organic diseases of the heart	136	2					2	2	3	1	4	2	2	1	2	4	1	11	7	11	4	2		1		2	2	
80.	Angina pectoris	9																											
81.	Affections of the arteries (atheroma, aneurism, etc.)	27																											
82.	Embolism and thrombosis	8																											
83.	Affections of the veins (varices, hemorrhoids, phlebitis, etc.)	1																											
84.	Affections of the lymphatic system (lymphangitis, etc)	4	2					2			1			2			1	2	2	3	3	9	4	2	1		16	11	
85.	Hemorrhages																										4	4	
86.	Other affections of the circulatory ap- paratus	245	4					4	2	5	2	7	7	9	12	12	16	23	31	27	27	30	17	8	5	1	126	119	
	Total of circulatory apparatus																												
IV. Diseases of the Respiratory Apparatus																													
87.	Diseases of the nasal fossae	3																											
88.	Affections of the larynx																												
89.	Affections of the thyroid body																												
90.	Bronchitis, acute	61	42	12	3	2		59																					
91.	Bronchitis, chronic	28	1																										
92.	Broncho-pneumonia	14	14	8	6	1		29																					
93.	Pneumonia	167	19	6	6	5		37																					
94.	Pleurisy	12	1					1																					
95.	Pulmonary congestion and apoplexy..	14	2	2				4																					
96.	Gangrene of the lungs	1																											
97.	Asthma	1																											
98.	Emphysema, pulmonary	2																											
99.	Other diseases of the respiratory ap- paratus (phthisis excepted)	1																											
	Total respiratory apparatus	334	79	28	16	8	1	132	5	4	7	8	8	8	18	7	9	17	19	24	21	13	15	12	7		1	161	173

V. Diseases of the Digestive Apparatus

Total Mortality for 1907

[illegible]

CAUSES OF DEATH

[illegible]

XI. Early Infancy, Continued																			
153.	Lack of care	10	9	1														5	5
	Total early infancy	157	156	1														87	70
XII. Old Age																			
154.	Senile debility	52																12	40
XIII. Affections Produced by External Causes																			
155.	Suicide by poison	2																1	1
156.	Suicide by asphyxia	1																1	1
157.	Suicide by hanging or strangulation..																		
158.	Suicide by submersion																		
159.	Suicide by firearms	2																1	2
160.	Suicide by cutting instruments	1																	
161.	Suicide by jumping from high places																		
162.	Suicide by crushing																		
163.	Other suicides	3																	
164.	Fractures	9																1	2
165a.	Luxations																		
166.	Other accidental traumatisms	27																1	2
167.	Burns and scalds	12																16	11
168.	Burns by corrosive substances																	5	7
169.	Insolation	4																1	3
170.	Freezing																		
171.	Electrical disturbances																		
172.	Accidental submersion	13																12	1
173a.	Inanition	1																1	
174.	Absorption of deleterious gases (suicide excepted)																		
175.	Other acute poisonings	9																8	1
176.	Other external violence	3																2	1
	Total affections, etc.	89	1	2	2	3	3	11	4	4	6	8	4	3	7	9	8	58	31
XIV. Ill-defined Diseases																			
177.	Dropsy	3																	3
178.	Sudden death																		
179.	Non-specified or ill-defined causes of death																		
	Total ill-defined diseases	9	5															2	7
	Total from all causes	2063	537	84	45	20	13	699	45	26	45	67	68	88	99	92	87	1106	1057

COLLECTION OF ASHES

	1907	1906	1905
January	2161 loads	2024 loads	2795 loads
February	1644	1848	2409
March	2096	2022	2124
April	2285	2010	2023
May	2071	1669	1762
June	1564	1466	1455
July	1586	1353	1300
August	1445	1388	1284
September	1330	1300	1339
October	1792	1585	1707
November	1959	1819	1753
December	2043	1888	1985
	<hr/>	<hr/>	<hr/>
	21976 loads	20372 loads	21936 loads

COST OF COLLECTION

	Labor Pay Roll
1891	\$ 8,000.19
1892	9,857.42
1893	11,542.94
1894	12,087.93
1895	10,591.40
1896	11,311.25
1897	12,793.15
1898	11,209.70
1899	10,903.30
1900	10,665.35
1901	10,651.28
1902	10,454.80
1903	9,691.50
1904	10,714.95
1905	11,035.00
1906	10,771.75
1907	10,747.55

708 loads paper.

AMOUNT OF REFUSE BURNED AT CREMATOR FOR 1907

1195 tons refuse from meat and fish markets.
 27 dogs.
 34 cats.
 9 hens.
 22 mattresses.
 7 loads bed clothing.

NUMBER OF LOADS SWILL COLLECTED

	1907	1906	1905
January	453½ loads	349 loads	340 loads
February	382	315	312
March	388	322	339
April	374½	298	295
May	378	335	355
June	341¼	340	352
July	414½	359	346
August	441½	505	410
September	485	486	476
October	459½	468½	398
November	366	424	347
December	386½	452	353
	<hr/>	<hr/>	<hr/>
	4870 1-3	4653½	4323

Total collections for 1907	4870⅓ loads
1906	4653½
1905	4323
1904	4352
1903	4031
1902	4035
1901	3861
1900	4217

SWILL ACCOUNT

	1907	1906	1905
January	\$531.28	\$243.12	\$347.25
February	464.99	236.25	279.45
March	471.24	199.25	247.50
April	459.37	233.75	264.00
May	454.99	247.50	257.50
June	415.33	233.87	254.92
July	515.68	233.75	304.25
August	551.86	312.50	277.50
September	606.22	310.00	335.00
October	571.91	343.13	282.50
November	441.26	332.50	236.25
December	466.89	343.75	270.00
Swill Licenses	405.00	321.00	300.00
	<hr/>	<hr/>	<hr/>
	\$6,356.02	\$3,590.37	\$3,656.12
Swill exchanged for hay	2,472.53	2,079.38	
	<hr/>	<hr/>	
	\$6,062.90	\$5,735.50	

The practice of exchanging swill for hay having been discontinued in 1907, 55½ loads of swill were charged to farmers, and \$290.49 in hay was received to settle the old accounts.

The following swill licenses were granted during the year:

Adams, J. R.	Levesque, Frank
Avila, Manuel J.	Merrill, F. W.
Bouchard, A.	Murphy, Daniel
Brown, A. P.	Meunier, H.
Bruorton, P. A.	Meekin, R. J.
Brunelle, Joseph	McDonald Bros.
Bertrand, William	McManmon, J. J.
Claremont, N.	McCluskey, John
Currier, J. M.	Nichols, Fenwick
Clough, J. W.	O'Brien, John
Crosby, F. L.	Pike, S. P.
Coburn, O. P.	Parker, G. N.
Coburn, O. J.	Paiva, Antonia
Cluff, B. A.	Philbrick, E. E.
Carr, J. B.	Parsons, C. W.
Dubuque, N.	Poirier, A.
Daignault, Octave	Page, D. L. Co.
Daigle, Louis	Remnes, Mrs. Nellie
Eaton, J. P.	Ryan, J. D.
Edwards, W. C.	Roy, Charles
Fletcher, J. H.	Sullivan, Thomas
Foye, C. A.	Spaulding, Leonard
Fecteau, Alex.	Snow, R. D.
Fox, Eugene C.	Shugrue, Charles
Gougeon, Thomas	Silk, F. C.
Grant, R.	Shinkwin, Robert
Gould, E. A.	Shaw, Eugene
Garland, Fred	Salls, C. P.
Hiland, G. F.	Therrien, Charles
Healey, Dan.	Tenney, Mrs. Eva
Hamblett, C. A.	Thompson, Perry D.
Jones, Delia A.	Varnum, Thomas
Kent, C. D.	Warley, H. P.
Labounty, George	Wheeler, H. T.
Latour, Louis	Wright, C. A.
Lefaiivre, A.	Whitman & Pratt Rendering Co.
Loucroft, N.	Wilson, Joseph
Lowell Rendering Co.	Willett, Thomas B.

Cost of Collecting Swill. Labor Pay Roll.	Disposition of Swill.	Income from Swill	Cost of Burning	Amount Burned	Total Cost Collection and Cremation of Swill and Garbage
1884 No Analysis	Sold	\$2,671.85			
1885 "	"	3,711.38			
1886 "	"	4,342.00			
1887 "	"	3,604.00			
1888 "	"	2,739.85			
1889 "	"	2,948.52			
1890 "	"	3,166.00			
1891 \$6,000.00	"	3,945.57			
1892 5,593.02	Burned	3,239.92	Cost of Cremator ((\$8,000.00))		\$13,593.02
1893 7,022.66	"		7,670.77	3500 tons	14,693.43
1894 7,122.00	"		5,742.69	3486 "	12,864.69
1895 7,035.97	"		3,662.53	2750 "	10,698.50
1896 7,064.67	"		3,543.34	2810 "	10,408.01
1897 7,234.76	Part Burned	2,369.99	2,612.07	2629 "	9,846.07
1898 7,758.20	and	2,445.40	1,644.21	874 "	9,302.41
1899 7,193.30	Part Sold	3,547.00	1,397.86	105 "	8,591.16
	All Sold	3,368.00			
1900 7,083.30		{ Cash Hay	1,094.65	109 "	8,177.95
		{ Cash Buggy		35 "	
1901 7,027.75	"	{ Manure Hay		347 "	7,404.64
		{ Cash Hay	1,081.14	Markets	
1902 7,259.00	"	{ Cash Hay		{ 11 Tons Swill 415 Tons Markets	8,425.69
1903 8,178.93	"	{ Cash Manure	1,191.86	600 tons Markets	
		{ Cash Hay		303 tons Markets	9,370.79
1904 8,324.70	"	{ Cash Hay	992.92	664 tons Markets	9,317.62
1905 8,318.50	"	{ Cash Hay	1,101.20	1046 tons Markets	9,419.70
1906 8,721.80	"	{ Cash Hay	1,762.45	1195 tons Markets	10,484.25
1907 8,596.00	"	Cash	1,489.80	Markets	10,085.80

1907 FINANCIAL STATEMENT

Pay Rolls—Office

EXPENDITURES

January	579.50
February	654.00
March	812.25
April	633.00
May	654.00
June	817.50
July	654.00
August	817.50
September	654.00
October	654.00
November	817.50
December	712.00
	<hr/>
	\$8,459.25

Pay Rolls—Yard

January	\$2,583.11
February	2,792.50
March	3,407.62
April	2,549.68
May	2,539.28
June	3,058.41
July	2,421.50
August	2,989.91
September	2,441.57
October	2,414.64
November	3,016.04
December	2,743.02
	<hr/>
	\$32,957.28

ANALYSIS OF PAY ROLLS OF 1907 COMPARED WITH 1906

	1907	1906	Increase	Decrease
Agent	\$1,825.00	\$1,825.00	-	
Contagion Inspection	1,277.50	1,339.25		\$61.75
Plumbing Inspection	2,164.75	2,191.00		26.25
Health Inspectors	2,152.50	690.75	1,461.75	-
Meat Inspector	338.00	188.50	149.50	
Registrar	701.50	626.00	75.50	
Ashes	10,747.55	10,771.75		24.20
Swill	8,595.00	8,721.80		125.80
Dumps and Alleys	4,319.30	3,888.20	431.10	
Cremator	924.37	977.77		53.40
Stable	2,105.50	2,291.75		186.25
Fumigation	893.83	777.50	116.33	
Blacksmith	1,528.28	1,351.51	176.77	
Foreman	304.50	1,277.50		973.00
Clerk	1,069.25	181.50	887.75	
Market Refuse	1,712.45	1,665.88	46.57	
Yardman	753.75		753.75	
Small Pox Hospital	2.50		2.50	
Painter and Carpenter		166.85		166.85
	<u>\$41,416.53</u>	<u>\$38,932.51</u>	<u>\$4,101.52</u>	<u>\$1,617.50</u>

Total increase \$2,484.02

During first three months in 1906 sleds were used only three days. In 1907, on account of snow, sleds were used almost entirely during first three months, thus necessitating the employment of from four to six extra men.

In 1906, market refuse was not collected until week ending April 21st.

ANALYSIS OF BILLS, 1907

OFFICE SUNDRIES

Advertising	\$ 47.28
Atlas City of Lowell	25.00
Bacteriological Department	165.48
Boston, City of	866.00
Culture Taking	364.50
Express	17.80
Fumigating Supplies	28.80
Lowell Hospital	399.15
Lynn, City of	17.00
Massachusetts State Sanatorium at Rutland....	86.13
Mileage	20.25
Medical Services	472.00
Massachusetts Association B. of H.	8.00
Printed Supplies	184.25
Provisions furnished Contagious Quarantine....	58.23
Printing Annual Report	74.80
Stamps and Envelopes	132.25
Sundries	140.92
Telephone	19.51
Vaccine	111.50
Worcester, City of	37.14

\$3,275.99

Outstanding Contagious Disease Bills \$1,200.00

OUTSTANDING CONTAGIOUS DISEASE BILLS

CITY OF BOSTON

Albert Bellemore, May 18, 1904, to July 9, 1904.....	\$106.00
John Furlong, April 26, 1905, to August 28, 1905.....	250.00
John Russell, April 28, 1905, to June 29, 1905.....	126.00
John Plunkett, April 27, 1905	2.00
Willard Beals, July 20, 1905, to September 30, 1905....	146.00

CITY OF BEVERLY, MASS.

George Picard, March 12, 1906, to March 23, 1906.....	\$ 20.57
---	----------

CITY OF CAMBRIDGE

Chapman Children, May 10, to June 22, 1906.....	\$284.99
---	----------

TOWN OF WEST NEWBURY

Pickard Children, March 16, 1906	\$121.15
--	----------

CITY OF WORCESTER

Marchand Children, February 26, to April 29, 1906....	\$143.29
---	----------

\$1,200.00

ANALYSIS OF BILLS, 1907

YARD SUNDRIES

Blacksmiths' Supplies	\$ 213.15
Corn	92.36
Crematory	348.93
Canvas Covers	9.00
Electric Light	17.15
Fumigating Supplies	121.27
Hardware	40.51
Lumber	28.10
Express	1.67
Harness Supplies	114.47
Hay	2,298.74
Meal	107.74
Oats	2,895.15
Plumbing	46.39
Repairing Wagons	24.95
Four (4) new Horses	1,075.00
Harness Repairing	20.65
New Harnesses	45.00
Straw	209.31
Sundries	413.13
Use of Horses	1,100.00
Veterinary Services	87.50
Water	104.40
Repairs	15.23
New Pung	65.00
Rent of Cremator	175.00
Public Building Department for labor.....	31.97
Tires (1 set)	22.00
Weighing Market Refuse	41.50
Printed Supplies	6.00
	<hr/>
	\$9,771.27

INCOME TRANSFERRED TO GENERAL FUND, 1907

Swill sold at yard	\$5,951.02
Money received to settle former charged accounts..	123.81
Swill Licenses	405.00
Paper	50.00
Manure	85.00
Use of telephone .....	.40
Care of Mary Little at Rutland	5.50
Commonwealth of Massachusetts	112.86
City of Boston	18.57
J. Dolan (old iron)	6.04
City of Woburn	50.00
Total	<u>\$6,808.20</u>

Total to General Fund 1907	\$6,808.20
1906	4,566.66
1905	3,727.41
1904	4,137.31
1903	4,085.12
1902	6,103.87
1901	4,585.26
1900	3,647.03

SUMMARY 1907

OFFICE

	Expendi- tures	Appropri- ations	Receipts	Deficit
Salaries of Board ...	\$1,500.00			
Salary of Dr. Smith..	600.00			
Pay Rolls, Office	8,459.25			
	<u>10,559.25</u>	\$9,000.00		\$1,559.25
Bills, Office	3,275.99	2,000.00		1,275.99
Outstanding Contag- ious Disease Bills, contracted during 1904, 1905, 1906 ...	1,200.00	1,200.00		

YARD

Pay Roll	32,957.28	25,000.00		7,957.28
Bills	9,771.27	8,000.00	\$56.25	1,715.02
	<u>\$57,763.79</u>	<u>\$45,200.00</u>	<u>\$56.25</u>	<u>\$12,507.54</u>

COST OF HEALTH DEPARTMENT FOR 1907

EXPENDITURES

Salaries of Board	\$ 1,500.00
Salary of Bacteriologist	600.00
Pay Rolls, office	8,459.25
Pay Rolls, yard	32,957.28
Bills, office	3,275.99
Bills, yard	9,771.27
Outstanding Contagious Disease Bills	1,200.00
	<hr/>
	\$57,763.79
	1,200.00
	<hr/>
Actual cost for year	\$56,563.79

 APPROPRIATIONS

Office Salaries	\$ 9,000.00
Office Sundries	2,000.00
Outstanding Contagious Disease Bills	1,200.00
Yard Labor	25,000.00
Yard Sundries	8,000.00
	<hr/>
	\$45,200.00
Receipts	56.25
Deficit	12,507.54
	<hr/>
	\$57,763.79

FOLLOWING IS A SCHEDULE OF THE PROPERTY
IN CONTROL OF THE BOARD OF HEALTH:

1. Brown Horse "Billy"	17 years	\$ 80.00
2. Bay Horse "Peter"	18 years	15.00
3. Bay Horse "Bridget"	15 years	15.00
4. Bay Horse "Jack"	15 years	80.00
5. Black Horse "Major"	15 years	80.00
6. Bay Horse "Baldy"	19 years	80.00
7. Bay Horse "Fred"	20 years	80.00
8. Brown Mare "Kate"	17 years	25.00
9. Brown Mare "Maggie"	20 years	10.00
10. Bay Horse "Duke"	21 years	40.00
11. Gray Mare "Grace"	15 years	100.00
12. Black Horse "Nigger"	16 years	30.00
13. Bay Horse "Joe"	16 years	100.00
14. Gray Mare "Mollie"	18 years	80.00
15. Bay Horse "Ned"	14 years	100.00
16. Bay Horse "Moxie"	13 years	100.00
17. Black Horse "Tom"	11 years	90.00
18. Sorrel Horse "Doctor"	16 years	40.00
19. Bay Horse "Frank"	12 years	100.00
20. Bay Mare "Dolly"	12 years	115.00
21. Bay Mare "Mollie"	10 years	140.00
22. Brown Horse "Jim"	13 years	80.00
23. Bay Mare "Grace"	10 years	165.00
24. Gray Mare "Daisy"	8 years	250.00
25. Black Horse "Joe"	8 years	275.00
26. Black Horse "George"	8 years	275.00
27. Black Horse "Ned"	6 years	300.00
28. Black Horse "Tom"	7 years	300.00
29. Black Mare "Bessie"	8 years	250.00
30. Bay Mare "Peggy"	8 years	250.00
31. Bay Horse "Jerry"	7 years	250.00
32. Bay Mare "Jessie"	7 years	250.00
		<hr/> \$4,145.00

Two horses died during the year and four new ones were purchased.

WAGONS AND SLEDS

1	Traverse runner sleigh	\$ 65.00
1	Ambulance	175.00
1	Hospital wagon	125.00
10	Double ash carts at \$80.00	800.00
4	Single ash carts at \$40.00	160.00
10	Double ash sleds at \$70.00	700.00
4	Single ash sleds at \$50.00	200.00
10	Single swill sleds at \$50.00	500.00
15	Single swill wagons	1,000.00
2	Single refuse wagons at \$125.00	250.00
2	Coupes	425.00
2	Paper wagons at \$100.00	200.00
2	Sleighs	80.00
2	Pungs at \$35.00	70.00
1	Concord wagon	120.00
2	Moyer buggies	150.00
2	Goddard buggies	150.00
1	Covered sleigh	20.00
2	Paper sleds at \$75.00	150.00
		<hr/>
		\$5,340.00

HARNESSES AND ROBES

1	Set double harness for ambulance	\$ 25.00
2	Sets single harnesses for ambulance	25.00
16	Single harnesses at \$20.00	320.00
13	Double harnesses at \$20.00	260.00
40	Halters	10.00
4	Horse covers	14.00
4	Woolen robes	16.00
38	Baker stable blankets	85.00
5	Street blankets	25.00
1	Rubber lap robe	2.00
29	Surcingles	12.00
20	Curry combs and brushes	10.00
10	Canvas covers for ash carts	30.00
15	Mane brushes	3.75
3	Under harness street blankets	10.00

4	Large canvases	10.00
2	Sponges	1.50
8	Collars	16.00
4	Collar pads	5.00
3	Buffalo robes	20.00
9	Harness pads	1.00
8	Zinc pads	1.00
1	Sheepskin	2.00
4	Sets of reins	5.00
6	Shaft lugs	2.00
2	Sets hold-back straps	1.00
10	Saddle girths	4.00
4	Summer blankets	2.00
33	Stall straps	7.00
25	String bells	12.50
5	Light harnesses	40.00
32	Square shovels	16.00
17	Swill Chisels	15.00
	Horse medicine	10.00
3	Fly nets	
3	Blankets for Contagious Coupe	3.00
1	Ton stove coal	7.00
5	Tons hay	110.00
200	Bushels oats	106.00
5	Bags bran	5.00
1½	Ton straw	7.50
		<hr/>
		\$1,257.25

SUMMARY

Horses	\$4,145.00
Wagons and sleds	5,340.00
Harnesses and robes	1,156.25
Miscellaneous	200.00
Carpenter shop	300.00
Blacksmith shop	350.00
Small-pox Hospital	500.00
	<hr/>
	\$11,991.25

Year	Population	Expenditures	Revenue	Net Cost	City's Valuation	Taxation Per Capita
1894	83,026	a 57,073.73	318.43	56,755.30	69,091,536	.63
1895	84,359	46,324.04	570.80	45,753.24	68,885,732	.54
1896	85,700	45,587.11	265.57	45,321.54	69,910,472	.53
1897	87,000	48,551.84	2,369.99	46,181.85	70,389,280	.53
1898	87,000	41,026.78	3,229.02	37,779.76	70,977,303	.43
1899	90,114	40,830.23	3,796.05	37,034.18	71,255,587	.41
1900	94,969	b 46,266.11	3,647.03	42,619.08	71,529,515	.44
1901	94,969	46,673.41	4,585.26	42,088.15	71,674,588	.44
1902	99,574	c 54,815.33	6,103.87	48,711.46	71,903,757	.48
1903	101,959	d 46,168.01	4,085.12	42,082.89	72,004,028	.41
1904	104,402	e 46,451.97	4,137.31	42,314.66	71,614,907	.40
1905	94,889	f 51,707.39	3,727.41	47,979.98	71,645,718	.50
1906	96,380	54,096.00	4,566.66	49,529.34	74,325,775	.51
1907	96,380	57,763.79	6,808.20	50,955.59	76,079,750	.53

a. Small-pox and Swill Cremation, \$12,708.25

b. Small-pox, \$4,739.67

c. Small-pox, 6,626.20

d. Small-pox, 1,000.00

e. Small-pox, 1,010.02

f. Small-pox, 3,297.08

In conclusion the Board wishes to acknowledge the assistance in the appropriations granted during the year by the City Council, and the courtesies extended by His Honor, the Mayor.

Respectfully submitted,

WILLIAM C. DOHERTY

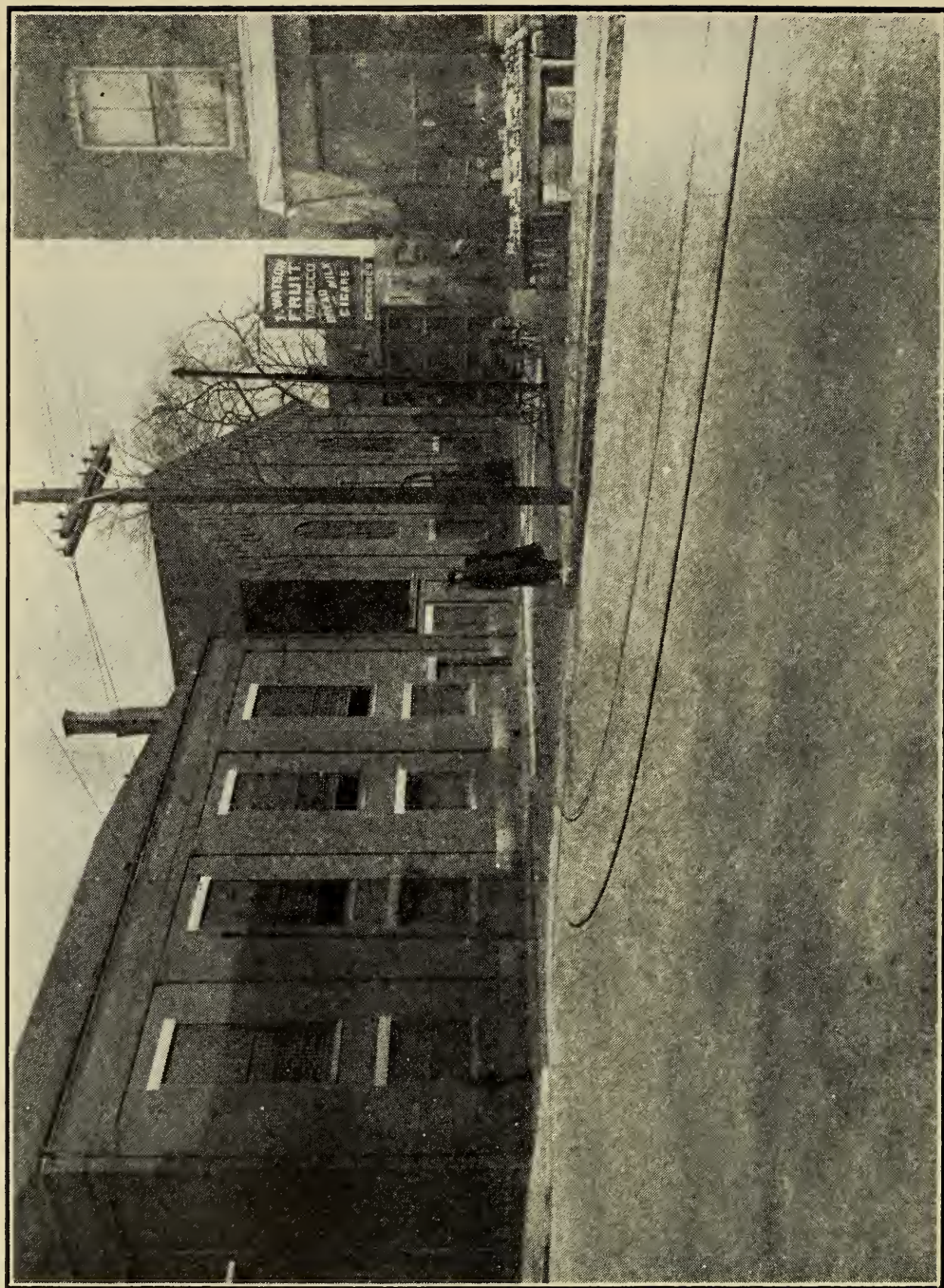
LEONARD HUNTRESS, M. D.

THOMAS J. BEANE

Board of Health

TABLE SHOWING RAINFALL IN INCHES BY MONTHS FOR TWENTY-NINE YEARS 1879-1907

YEAR	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
1879	2.475	3.762	5.013	4.030	2.279	5.709	4.379	6.176	2.176	1.434	3.364	4.465	45.262
1880	4.359	3.944	3.005	2.375	2.676	1.702	6.518	3.156	1.529	2.823	1.841	5.581	36.519
1881	5.538	3.151	7.210	1.855	4.274	4.900	2.496	1.731	2.730	1.962	4.282	4.253	44.182
1882	4.521	5.773	3.019	1.674	4.904	2.789	1.677	0.984	7.313	2.312	1.011	2.027	38.010
1883	2.923	3.405	1.885	1.895	4.640	2.036	3.583	0.909	1.487	5.292	1.730	2.623	32.418
1884	4.914	5.793	5.013	4.110	3.684	3.064	3.198	3.977	0.924	1.945	2.328	5.149	44.139
1885	4.856	4.095	1.022	3.606	3.589	4.293	6.026	6.098	1.581	4.841	5.183	2.811	48.001
1886	6.765	6.535	3.338	1.966	3.587	1.859	3.512	3.128	3.963	2.781	4.901	4.444	46.829
1887	5.720	5.182	4.738	3.046	1.644	2.608	5.425	10.931	2.228	3.116	3.270	4.547	53.445
1888	4.601	4.303	6.519	3.782	3.890	2.809	3.057	4.857	7.966	6.780	5.983	5.379	39.915
1889	5.037	1.710	1.938	3.830	3.889	2.592	6.102	3.979	3.266	4.268	6.929	3.366	46.756
1890	2.766	3.767	6.833	1.987	5.660	3.530	3.447	4.856	4.457	7.705	1.584	4.466	51.067
1891	7.041	3.840	5.953	3.563	2.289	3.659	2.968	1.966	1.806	2.926	1.913	3.204	41.131
1892	5.389	2.742	2.643	0.628	5.861	4.444	2.321	4.304	1.973	1.378	5.829	1.106	38.618
1893	2.392	7.703	2.439	2.946	4.900	2.414	2.696	3.944	2.293	3.825	1.933	5.460	42.945
1894	3.349	3.502	1.268	3.757	4.359	0.372	2.998	0.925	3.027	3.641	3.519	3.838	34.375
1895	3.306	1.147	2.656	4.569	1.782	2.631	2.659	2.017	2.230	6.674	8.165	3.172	41.332
1896	2.243	4.647	6.510	1.335	2.316	2.683	3.786	2.759	9.066	2.995	3.023	1.126	42.201
1897	4.551	2.958	4.146	2.248	4.945	6.106	4.619	5.630	3.033	0.592	6.487	5.320	50.439
1898	8.124	3.457	1.652	5.201	3.053	3.649	2.930	8.226	1.970	7.846	6.447	2.744	54.289
1899	3.690	5.017	7.950	1.500	2.100	2.713	4.116	2.111	3.663	1.987	2.714	1.683	39.244
1900	5.451	10.119	6.566	2.156	3.785	2.710	2.648	3.730	4.368	3.326	6.181	3.033	54.068
1901	1.720	1.056	5.756	10.567	7.678	1.489	4.776	3.267	3.282	3.434	2.792	8.553	54.370
1902	2.968	6.265	5.281	5.475	2.366	2.107	3.563	5.159	6.290	5.288	0.856	6.204	51.110
1903	3.386	3.957	5.900	3.691	0.818	9.180	2.621	3.676	1.745	4.461	1.527	3.011	43.973
1904	4.838	2.438	2.648	9.316	2.983	3.995	1.827	3.207	5.512	1.282	1.506	2.330	41.882
1905	6.958	1.705	3.708	2.171	1.293	5.179	0.591	4.498	6.389	1.327	2.251	3.862	39.932
1906	2.434	2.589	5.966	3.002	5.999	4.802	6.135	3.473	1.432	2.382	3.085	4.218	45.517
1907	2.770	2.390	2.149	3.638	2.578	3.033	4.367	1.356	8.525	4.492	5.772	4.435	45.505



COMPLETED HASSAM PAVEMENT, JUNCTION OF JOHN AND PAIGE STREETS.

ANNUAL REPORT

OF THE

Superintendent of Streets

OF THE

CITY OF LOWELL

For the Year 1907



LOWELL, MASS.

COURIER-CITIZEN COMPANY, PRINTERS.

1908.

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REPORT

Superintendent of Streets Office, City Hall,

LOWELL, MASS., May 1, 1908.

To the Honorable City Council:

GENTLEMEN:—

In compliance with the City Ordinances, herewith, respectfully is submitted the annual report upon the several departments under the direction and control of the Superintendent of Streets, for the year 1907.

Respectfully submitted,

CHARLES J. MORSE,

Superintendent of Streets.

STREET AND SEWER DEPARTMENTS

ORGANIZATION 1907

Superintendent of Streets

CHARLES J. MORSE

*Assistant Superintendent
Streets*

GEORGE W. HARTWELL

*Assistant Superintendent
Sewers*

FRANK W. LAZELLE

Clerk

CLARENCE H. RAYMOND

Bookkeeper

FRANKLIN T. WILSON

Sewer Inspector

SAMUEL D. BUTTERWORTH

Foremen

Streets

Blessington, John B.
Bowers, John
Enwright, John F.
Gardner, William G.
Gilmore, William
Morrison, Thomas W.
Mullaney, John J.
McHugh, James T.
Nerney, John J.
Sprague, Volney

Sewers

Balcom, Lon M.
Gagne, Pierre
Tague, Thomas F.
Tighe, Owen
Crowley, Thomas F.
Lee, Bernard
Smith, Thomas E.
Thompson, Walter E.

Engineering Department

City Engineer

GEORGE BOWERS

Assistant Streets

WILLIAM A. FAVOR

Assistant Sewers

GEORGE A. NELSON

Committees

Streets

Alderman Livingston
Alderman Derby
Councilman Kittredge
Councilman Cadoret
Councilman McKidder
Councilman Lyons
Councilman Curtin

Sewers

Alderman Barry
Alderman Wilder
Alderman Brown

SUPERINTENDENT OF STREETS.

TABLE SHOWING THE DIFFERENT SUPERINTENDENTS FROM THE
YEAR OF INCORPORATION OF THE CITY OF LOWELL.

1836	*Alva Mansur	
1837-1838	*Chester A. Blodgett	
1839-1842	*Luther Eames	
1843-1845	*William A. Swan	
1846-1849	*Joseph Griffin	
1850	*Abiel Rolfe	(to April 1st)
1850-1857	*William M. Smith	(from April 1, 1850)
1858-1866	*Wilder Bennett	
1867-1872	*Luther Richards	
1873-1884	*John C. Woodward	
1885-1886	Charles H. Hanson	
1887-1888	Edward Cawley	
1889-1891	Horace P. Beals	
1892-1895	Robert E. Crowley	
1896	†*Cleveland J. Cheney	(to Feb. 19, 1897)
1897	Charles Callahan	(from Feb. 20th to Mar. 9th)
	George L. Fowler	(from March 10th)
1898-1900	*Cleveland J. Cheney	
1901	Patrick F. Brady	
1902-1904	Laforest Beals	(resigned May 24, 1904)
1904	Fred'k W. Farnham, acting	(appointed May 25th)
1905-1907	Charles J. Morse	

*Deceased

†Died in Office

FINANCIAL STATEMENT

NAME OF APPROPRIATION	BAL. CR. JAN. 1	APPROPRIATION	LOANS	RECEIPTS	TOTAL RECEIPTS	EXPENDED	Balance to Gen. Treas. Fund	BALANCE TO 1908
Streets, regular .....	.....	\$150,000 00	.....	\$15,363 42	\$165,363 42	\$165,363 42	.....	.....
Ina Street Extension ...	\$200 00	.....	.....	.....	200 00	199 91	\$ 09	.....
Paving Moody Street ...	109 75	.....	.....	.....	109 75	109 75	.....	.....
Perry Street Extension..	950 93	.....	.....	7 00	957 93	957 18	75	.....
New Sidewalks .....	.....	.....	\$10,000 00	.....	10,000 00	6,422 16	3,577 84	.....
Paving Central Street ..	.....	.....	9,500 00	.....	9,500 00	7,854 40	.....	\$1,645 60
Macadamizing .....	.....	.....	25,000 00	.....	25,000 00	25,000 00	.....	.....
	\$1,260 68	\$150,000 00	\$14,500 00	\$15,370 42	\$211,131 10	\$205,906 82	\$3,578 68	\$1,645 60
Sewer Maintenance .....	.....	\$ 15,000 00	.....	\$10,683 63	\$ 25,683 63	\$ 25,583 80	\$ 99 83	.....
Watering Streets .....	.....	17,000 00	.....	385 00	17,385 00	17,385 00	.....	.....
Sewer Construction ....	.....	.....	\$45,000 00	655 58	45,655 58	42,776 73	2,878 85	.....

GENERAL TREASURY FUND

AMOUNTS TO CREDIT OF GENERAL TREASURY FUND IN 1907
EARNED BY THE STREET, SEWER AND STREET
WATERING DEPARTMENTS.

DESCRIPTION.	STREET DEPT.	SEWER DEPT.	WATERING. STREETS DEPT.
Sidewalk Assessments	\$2,645 72		
Boott Mills, Caps and dynamite	1 50		
B. & N. St. R. R. Labor.....	4 09		
W. T. S. Bartlett, Dynamite	60		
Insurance, City Stables	328 84		
Cyrus Barton, Dynamite	15 00		
J. Lambert, Crushed stone	4 71		
L. Tremblay, Dynamite	1 00		
C. H. Allen, Dynamite	4 22		
Butler Ames, Dynamite	1 61		
Lowell Machine Shop, Crushed stone	6 84		
J. Albert, Dynamite.....	3 30		
Lowell Machine Shop, Crushed Stone	2 02		
Lowell Electric Light Co., Labor	23 44		
Mass. Cotton Mills, Use of roller	88 00		
N. E. Tel. & Tel. Co., Paving blocks and use of steam roller	39 73		
G. W. White, Flushing sewer.....	5 00		
Sundry persons, sewer assessments ..		\$22,770 83	
Watering Streets assessment 1905 ...			\$ 2,539 29
“ “ “ 1906 ...			2,390 13
“ “ “ 1907 ...			12,000 55
	\$3,175 62	\$22,770 83	\$16,929 97

CLEANING STREETS.

STREETS.	SCRAPING.	SWEEPING.	TOTAL COST.
A	\$ 24 18		\$ 24 18
Abbott	5 77		5 77
Adams	12 19	\$162 35	174 54
Agawam	22 32		22 32
Aiken Avenue.....	39 59		39 59
Alder	4 54		4 54
Albion	11 65		11 65
Ames	7 41		7 41
Andrews	30 19		30 19
Anne	25 09	29 20	54 29
Andover	243 49	66 70	310 19
Appleton	57 19	185 05	242 24
Arthur	1 54		1 54
Arch	3 45	2 79	6 24
Arlington.....	16 80		16 80
Ash.....	20 00		20 00
Astor	4 66		4 66
Austin	8 09		8 09

CLEANING STREETS—Continued.

STREETS.	SCRAPING.	SWEEPING.	TOTAL COST.
Auburn	\$ 5 51		\$ 5 51
B	19 10		19 10
Barrington	4 87		4 87
Bachman	3 72		3 72
Barker	3 72		3 72
Barclay	22 10		22 10
Bassett	4 55		4 55
Bartlett	20 11		20 11
Belrose Avenue	7 18		7 18
Belmont Avenue	6 50		6 50
Belmont	16 84		16 84
Beacon	67 97		67 97
Beech	38 26		38 26
Bellevue	13 62		13 62
Bertram	4 59		4 59
Billings	19 68		19 68
Blodgett	4 55		4 55
Blossom	14 25		14 25

CLEANING STREETS—Continued.

STREETS.	SCRAPING.	SWEEPING.	TOTAL COST.
Bowers.....	\$ 25 46		\$ 25 46
Bowden	10 39		10 39
Boynton	14 55		14 55
Brooks	7 07		7 07
Bridge	28 58	\$195 61	224 19
Brown	18 47		18 47
Branch.....	36 63	88 88	125 51
Broadway	117 92		117 92
Burns	6 56		6 56
Burlington Avenue ...	6 57		6 57
Butler Avenue	1 63		1 63
Burgess	8 10		8 10
Butterfield	24 58		24 58
Burt	10 48		10 48
Burnside	3 06		3 06
C	10 54		10 54
Cabot	28 98	79 23	108 21
Canton	14 01		14 01

CLEANING STREETS—Continued.

STREETS.	SCRAPING.	SWEEPING.	TOTAL COST.
Cady	\$ 7 57		\$ 7 57
Campaw	9 30		9 30
Cambridge.....	27 30		27 30
Carlisle.....	3 22		3 22
Carlton	9 00		9 00
Carter	2 88		2 88
Central.....	34 97		34 97
Centre	5 97		5 97
Cedar	8 28		8 28
Chambers	12 56		12 56
Cheever	34 13		34 13
Chester	15 41		15 41
Chapel	52 56		52 56
Chestnut	47 69		47 69
Chelmsford	135 45	\$389 59	525 04
Church	55 81	166 18	221 99
Claire	5 53		5 53
Clark	15 31		15 31

CLEANING STREETS—Continued.

STREETS.	SCRAPING.	SWEEPING.	TOTAL COST.
Clitheroe	\$29 89		\$ 29 89
Common	43 18		43 18
Coral	36 34		36 34
Cosgrove	13 49		13 49
Coolidge	17 51		17 51
Coburn	52 34		52 34
Colburn	3 42		3 42
Columbus Avenue	13 92		13 92
Corner	3 67		3 67
Concord	77 19	\$66 61	143 80
Congress	10 30		10 30
Colonial Avenue	33 07		33 07
Crawford	3 72		3 72
Crescent	4 12		4 12
Cross	68 59		68 59
Crosby	2 81	64 97	67 78
Crowley	8 39		8 39
Cushing	12 38		12 38

CLEANING STREETS—Continued.

STREETS.	SCRAPING.	SWEEPING.	TOTAL COST.
Cumberland Road	\$ 5 79		\$ 5 79
D	20 14		20 14
Dane	4 06		4 06
Davidson	1 74	\$ 95 90	97 64
Dalton	3 93		3 93
Daly	6 54		6 54
Dartmouth	8 09		8 09
Dodge	1 49		1 49
Dover	31 74		31 74
Dummer	28 32		28 32
Durant	20 20		20 20
Dunfey	2 80		2 80
Dutton	59 78	238 30	298 08
Eaton	1 63		1 63
East Merrimack	31 71	206 67	238 38
East Pine	16 62		16 62
Edson	10 42		10 42
Eighteenth	23 96		23 96



NEW CITY LEDGE, DRACUT, MASS.

CLEANING STREETS—Continued.

STREETS.	SCRAPING.	SWEEPING.	TOTAL COST.
Eighth	\$14 34		\$ 14 34
Ellsworth	1 62		1 62
Elm	56 78		56 78
Elliot	9 34		9 34
Eleventh	27 41		27 41
Emery	10 07		10 07
Ennell	42 44		42 44
Eustis Avenue	37 62		37 62
Everett	8 01		8 01
Exeter	7 44		7 44
Fay	5 94		5 94
Fayette	24 40	\$126 76	151 16
Favor	8 32		8 32
Fairview	3 69		3 69
Fairmount.....	83 30		83 30
Fenwick.....	7 11		7 11
First	37 27	57 65	94 92
Fifth	36 82		36 82

CLEANING STREETS—Continued.

STREETS.	SCRAPING.	SWEEPING.	TOTAL COST.
Fifth Avenue	\$ 28 60		\$ 28 60
Fisher	3 72		3 72
Fletcher	116 91	\$163 29	280 20
Floyd	10 00		10 00
Forrest.....	13 01		13 01
Fourth Avenue	40 92		40 92
Fourth	36 82		36 82
Ford	22 70		22 70
Fort Hill Avenue	45 99		45 99
Foster	64 75		64 75
Franklin	17 62		17 62
Fremont	20 73		20 73
Fulton	18 82		18 82
Gates	11 87		11 87
Garnet	10 46		10 46
George		26 07	26 07
Gershom Avenue	23 60		23 60
Georgia Avenue	11 48		11 48

CLEANING STREETS—Continued.

STREETS.	SCRAPING.	SWEEPING.	TOTAL COST.
Gibson	\$ 17 02		\$ 17 02
Glidden Avenue	5 75		5 75
Gorham	179 21	\$281 42	460 63
Gold	5 28		5 28
Grace	11 16		11 16
Grove	57 70		57 70
Green	8 07	36 30	44 37
Grand	44 35		44 35
Hale	77 97	78 10	156 07
Harrison	11 45		11 45
Hastings	22 90		22 90
Hall	25 29		25 29
Hampshire	59 23		59 23
Hanks	27 85		27 85
Harding	3 66		3 66
Hanover	6 86		6 86
Hancock Avenue	4 00		4 00
Harvard	13 72		13 72

CLEANING STREETS—Continued.

STREETS.	SCRAPING.	SWEEPING.	TOTAL COST.
Hawthorn	\$ 4 81		\$ 4 81
Highland Avenue.....	33 69		33 69
Hildreth	51 97		51 97
High.....	136 35		136 35
Highland	56 42		56 42
Holyrood Avenue	43 81		43 81
Horn	5 53		5 53
Howard	74 47	\$ 63 73	138 20
Howe	37 81		37 81
Hoyt Avenue	20 22		20 22
Hobson	6 80		6 80
Hutchinson	3 06		3 06
Hurd	4 55	40 00	44 55
Huntington	18 51		18 51
Hudson	5 76		5 76
Ina	5 91		5 91
Inland	7 80		7 80
Jackson	44 34	107 38	151 72

CLEANING STREETS—Continued.

STREETS.	SCRAPING.	SWEEPING.	TOTAL COST.
James.....	\$ 5 62		\$ 5 62
Jenness	10 83		10 83
Jewett	37 50		37 50
Jefferson	19 73		19 73
John	20 35		20 35
John Street Avenue...	5 54		5 54
July	3 91		3 91
June	9 54		9 54
Keene	8 99		8 99
Kimball Avenue.....	1 72		1 72
King.....	4 03		4 03
Kirk	10 94		10 94
Kinsman	53 92		53 92
Lagrange	12 99		12 99
Laurel	21 90		21 90
Lakeview Avenue	50 52	\$336 61	387 13
Lawson	10 22		10 22
Lane.....	9 93		9 93

CLEANING STREETS—Continued.

STREETS.	SCRAPING.	SWEEPING.	TOTAL COST.
Lawrence.....	\$106 58	\$334 02	\$440 60
Leverett	16 67		16 67
Lee	19 03		19 03
Lewis	23 33		23 33
Leroy	12 09		12 09
Lipton	4 32		4 32
Livingston.....	13 87		13 87
Lilley Avenue	33 72		33 72
Little	9 95		9 95
Lincoln	85 23		85 23
Linden	13 52		13 52
Livingston Avenue ...	32 99		32 99
Liberty	112 93		112 93
Livermore	1 72		1 72
Lombard	9 71		9 71
Locke	2 68		2 68
London	46 34		46 34
Loring	23 18		23 18

CLEANING STREETS—Continued.

STREETS.	SCRAPING.	SWEEPING.	TOTAL COST.
Ludlam	\$32 69		\$ 32 69
Lundberg	10 40		10 40
Lyon	10 57		10 57
Main	6 56		6 56
Madison	10 32		10 32
Maple	13 00		13 00
Marlborough	24 86		24 86
Manchester	25 18		25 18
Manahan	7 80		7 80
Mammoth Road	29 97	\$ 74 56	104 53
Marion	8 66		8 66
Marginal	7 88		7 88
Marshall	21 01		21 01
May	7 71		7 71
Market	89 52	418 20	507 72
Mansur	21 59		21 59
McKinley Avenue	2 17		2 17
Meadowcroft	20 90		20 90

CLEANING STREETS—Continued.

STREETS.	SCRAPING.	SWEEPING.	TOTAL COST.
Mead	\$ 4 37		\$ 4 37
Methuen	44 25		44 25
Merrimack.....	11 39	\$218 82	230 21
Midland	23 22		23 22
Mill.....	8 24		8 24
Middlesex	234 02	6 67	240 69
Moody	105 44	7 44	112 88
Moore.....	88 41		88 41
Mt. Vernon	49 51	55 22	104 73
Mt. Grove	13 52		13 52
Mt. Washington	39 55		39 55
Mt. Hope	12 76		12 76
Myrtle	43 15		43 15
New	7 96		7 96
Nesmith.....	74 93		74 93
New Moody.....	28 26	34 06	62 32
Newhall	9 83		9 83
Nichols	17 03		17 03

CLEANING STREETS—Continued.

STREETS.	SCRAPING.	SWEEPING.	TOTAL COST.
Nicollet	\$ 7 73		\$ 7 73
Ninth	4 16		4 16
Nineteenth	26 02		26 02
Norcross	20 62		20 62
North	10 72		10 72
Oakland.....	9 63		9 63
O'Connell	4 15		4 15
Oliver.....	2 84		2 84
Ottawa	3 72		3 72
Otis	8 09		8 09
Oak	26 25		26 25
Osgood.....	19 27		19 27
Pawtucket.....	84 75	\$209 62	294 37
Paige	20 62		20 62
Park	19 57		19 57
Parker	69 53		69 53
Parkview Avenue	32 34		32 34
Pearl	10 37		10 37

CLEANING STREETS—Continued.

STREETS.	SCRAPING.	SWEEPING.	TOTAL COST.
Perkins	\$ 22 38		\$ 22 38
Perry	101 48		101 48
Phillips	2 63		2 63
Pine	86 95		86 95
Plain	94 04		94 04
Porter	28 50		28 50
Pond	15 80		15 80
Pollard	11 16		11 16
Powell	68 08		68 08
Princeton	51 40		51 40
Prescott		\$1 72	1 72
Prospect	6 10		6 10
Puffer	7 00		7 00
Plymouth	5 89		5 89
Queen	37 20		37 20
Railroad	25 57		25 57
Race	13 20		13 20
Reservoir	14 66		14 66

CLEANING STREETS—Continued.

STREETS.	SCRAPING.	SWEEPING.	TOTAL COST.
Read	\$ 44 95		\$ 44 95
Riverside	63 71		63 71
Richards	7 44		7 44
Richardson	3 47		3 47
Richmond	6 83		6 83
Roberts	2 79		2 79
Robinson	3 25		3 25
Royal	12 74		12 74
Rogers	122 51		122 51
Robbins	15 96		15 96
Rock	97 52		97 52
Rolfe	24 20		24 20
Saratoga	3 94		3 94
Sayles	4 66		4 66
Sanders Avenue	25 92		25 92
Sarah Avenue	6 33		6 33
Salem	16 04	\$72 31	88 35
Shaffer	11 62		11 62

CLEANING STREETS—Continued.

STREETS.	SCRAPING.	SWEEPING.	TOTAL COST.
School	\$177 53	\$108 78	\$286 31
Second	32 73		32 73
Second Avenue.....	16 59		16 59
Seventh	21 86		21 86
Sheldon	10 38		10 38
Shaw	40 47		40 47
Sherman	55 47		55 47
Simpson.....	5 84		5 84
Sixth	65 92		65 92
Sidney	5 68		5 68
Smith	61 07		61 07
Smith Avenue	6 93		6 93
Somerset	8 20		8 20
South	105 35		105 35
South Highland	13 60		13 60
South Loring	25 51		25 51
South Whipple	5 63		5 63
South Walker	24 75		24 75

CLEANING STREETS—Continued.

STREETS.	SCRAPING.	SWEEPING.	TOTAL COST.
South Canton	\$ 11 79		\$ 11 79
Spalding	4 68		4 68
Starbird	2 85		2 85
Stanley	17 20		17 20
Stevens	143 25		143 25
Stackpole	18 19		18 19
St. James	9 14		9 14
Summer	62 74		62 74
Suffolk	9 83		9 83
Swift	6 11		6 11
Talbot	10 62		10 62
Tanner	72 88		72 88
Tenth	45 91		45 91
Thorndike	212 54	\$315 73	528 27
Third Avenue	24 53		24 53
Third	84 49		84 49
Thirteenth.....	34 66		34 66
Tilden	8 36		8 36

CLEANING STREETS—Continued.

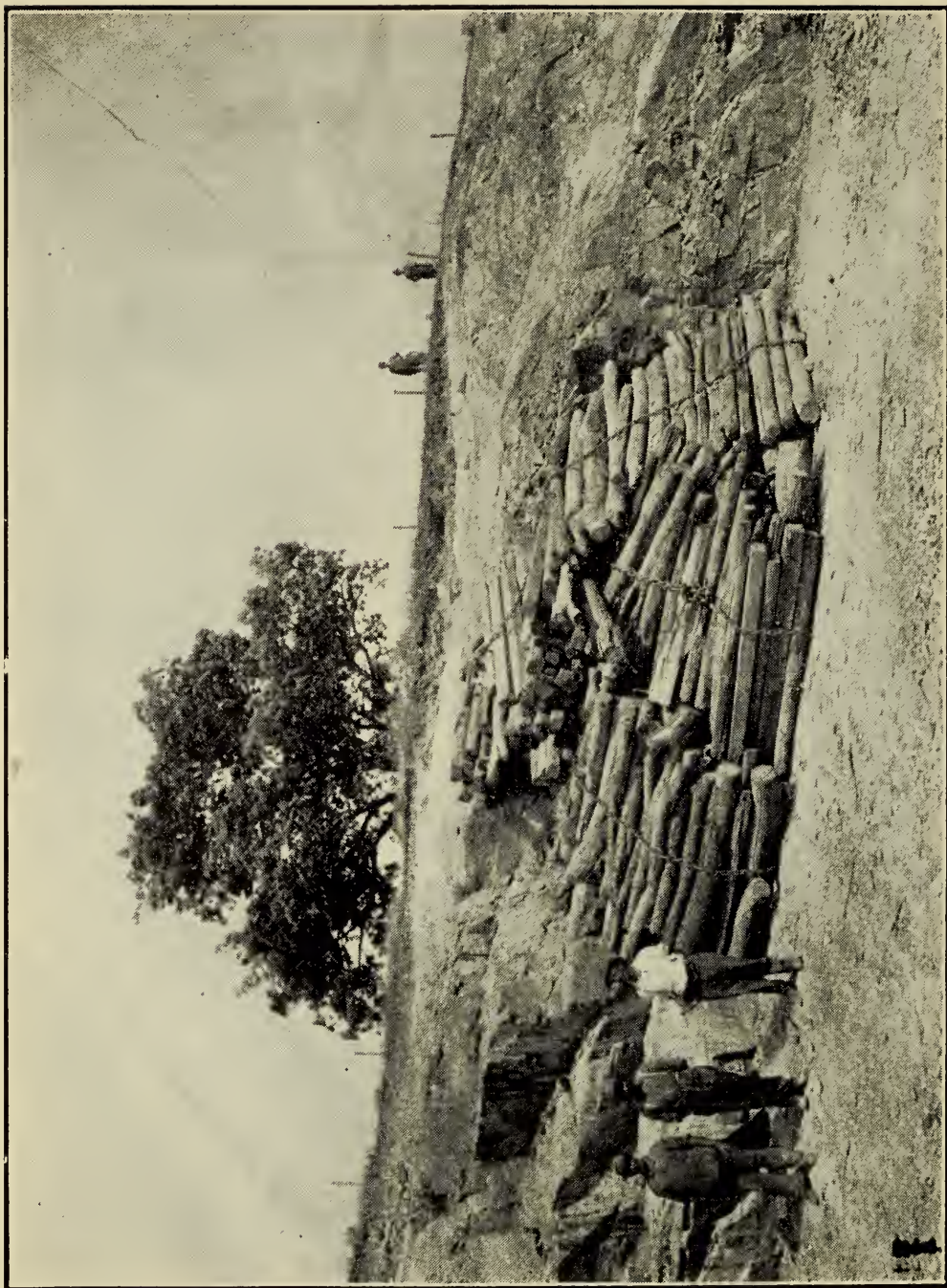
STREETS.	SCRAPING.	SWEEPING.	TOTAL COST.
Tremont	\$12 28		\$ 12 28
Tolman Avenue	14 32		14 32
Tucker	20 22		20 22
Twelfth	64 28		64 28
Tyler	44 01		44 01
Tyler Park	29 54		29 54
Union.....	24 71		24 71
Varney.....	24 27		24 27
Varnum	17 52		17 52
Varnum Avenue.....	33 45		33 45
Waite	3 50		3 50
Wachusett.....	7 63		7 63
Walker.....	95 90	\$112 52	208 42
Walnut	12 89		12 89
Ware	3 44		3 44
Ward	20 09		20 09
Warren	15 83	16 74	32 57
Wamesit	15 01		15 01

CLEANING STREETS—Continued.

STREETS.	SCRAPING.	SWEEPING.	TOTAL COST.
Wannalancit	\$ 17 85		\$ 17 85
Watson	10 60		10 60
Washington	21 49		21 49
Warwick	36 64		36 64
Waverley Avenue	7 21		7 21
Wentworth Avenue ..	61 62		61 62
Westford	148 49		148 49
West Sixth	131 74		131 74
Western Avenue	29 24	\$142 13	171 37
West Jackson	2 78	7 43	10 21
West Third	31 30		31 30
West Fourth	29 83		29 83
West Fifth	16 25		16 25
West Ninth	5 12		5 12
West Adams	7 88		7 88
West	15 48		15 48
West Eleventh	5 56		5 56
West Forrest	6 52		6 52

CLEANING STREETS—Continued.

STREETS.	SCRAPING.	SWEEPING.	TOTAL COST.
White.....	\$ 30 07		\$ 30 07
Whipple.....	14 94		14 94
Whitney Avenue	27 89		27 89
William	25 28	\$ 37 97	63 25
Willow	19 05		19 05
Whitney Avenue	5 25		5 25
Winter	17 50		17 50
Windsor.....	8 72		8 72
Willie Avenue.....	7 99		7 99
Willie	39 15		39 15
Wilder	145 83		145 83
Willard	27 82		27 82
Worthen	78 88	126 64	205 52
Wyman	24 67		24 67
	\$10,908 06	\$5,655 92	\$16,563 98



ALL READY FOR BLAST, CITY LEDGE, DRACUT.

PERSONAL PROPERTY.

SCHEDULE OF PERSONAL PROPERTY BELONGING TO THE STREET
DEPARTMENT, DECEMBER 31, 1907.

1 machine auger	\$ 50	1 single lumber wagon \$	10 00
3 adze	3 00	16 single dump carts	1,500 00
104 barn blankets ...	208 00	5 2-wheel dump carts	200 00
42 street blankets ...	84 00	1 single jigger	50 00
1 bridge auger	50	2 fire pails	2 00
71 curry combs.....	17 75	51 feed baskets	40 00
69 horse brushes.....	67 00	250 feet fire hose	50 00
3 clocks	2 00	86 grade stakes.....	1 00
4 coal hods	2 00	40 tons hay	800 00
31 old horse collars ..	25 00	38 draught horses ...	9,000 00
6 hand rollers	30 00	7 driving horses	1,400 00
4 sets dump cart harness	70 00	300 loads sand	300 00
84 lanterns	84 00	1575 bushels oats ...	945 00
13 single sleds	350 00	35 mane brushes	10 00
27 double sleds	1,500 00	1 set dies and plates .	50 00
3 derricks	125 00	3 stone drags	10 00
26 drilling spoons ...	5 00	48 street signs.....	48 00
36 sets double harness	700 00	5 horse covers	10 00
4 driving sleighs	100 00	55 halters	50 00
7 carriages	900 00	2 hay cutters	10 00
10 driving harness ...	200 00	362 snow shovels	181 00
25 double carts	2,400 00	10 stone forks	4 00
2 double jiggers	150 00	12 sets sighting sticks	5 00
2 lumber wagons	200 00	5 iron squares	4 00

PERSONAL PROPERTY—Continued.

7 hay forks	\$ 5 00	2 sod cutters	\$ 1 00
1 hand cart	10 00	1 box Green Mountain	
8 machine brooms ...	75 00	salve	6 00
16 snow plows	160 00	4 wheel jacks	10 00
8 tape measures	8 00	8 cart spreaders	4 00
3 sparrow wagons ...	50 00	3 pair cart shafts	24 00
7 sparrow carts.....	20 00	10 gals. turpentine ..	10 00
4 2-horse sweepers ..	400 00	2 claw bars	1 00
200 lbs. rock salt	5 00	200 gals. kerosene oil.	20 00
25 pieces corner stone	109 50	25 lbs. soap	7 50
700 feet maple boards	49 00	61 sponges	15 00
600 feet spruce boards	13 20	1 oil tank.....	40 00
1 road cutter machine.	100 00	1 grindstone	5 00
2 hard pan road plows	20 00	7 fur robes.....	75 00
1 express wagon	50 00	6 ice picks	3 00
12 stone hand sets ..	5 00	3 muzzles.....	3 00
5 plush robes	5 00	14 ax handles	1 40
2 cant hooks	1 00	4 small oil cans.....	1 00
5 bags salt	5 00	45 gals. cylinder oil ..	14 00
153 hammer handles .	15 30	4 monkey wrenches .	4 00
1500 tons crushed		37 long handled snow	
stone	1,800 00	shovels	27 75
51 hand pans	40 00	6 drill pumps	6 00
37 push pans.....	54 00	7 forks	3 50
7 sand screens.....	14 00	2 chainfall sets	10 00
1 pung	10 00	200 feet 1½ inch iron	
12 cans Albany grease	24 00	pipe	2 00

PERSONAL PROPERTY—Continued.

9 plow points	\$ 6 75	12 tons coal	\$ 72 00
1 set runners	10 00	1 boiler	300 00
4 pinch bars	4 00	1200 feet oak lumber .	54 00
17 drag planks	17 00	178 pick handles	17 80
7 wheelbarrow trays .	7 00	36 stone chains	36 00
5 gals. harness dress- ing	6 00	14 striking hammers .	28 00
4 stillson wrenches . .	7 00	Blacksmith shop and tools at ledge	100 00
12 sets drill hose . . .	120 00	3 steam drills	500 00
1 dozen paint brushes	3 00	1000 exploders	50 00
8 gals. axle oil	1 60	40 iron pails	20 00
1 blacksmith shop and tools	300 00	170 square pointed shovels	85 00
7600 paving blocks . .	380 00	180 feet drill steel . . .	75 00
1 vise	5 00	28 iron rakes	14 00
2 new cart bodies . . .	50 00	11 paving mauls	11 00
4 2-bushel baskets . . .	1 00	30 stone hammers	45 00
6 peen hammers	6 00	9 frost hammers	18 00
7 hand axes	3 50	20 stone wedges	2 00
29 garbage barrels . . .	87 00	8 tin dippers	80
150 feet $\frac{3}{4}$ inch rubber hose	12 00	56 crowbars	56 00
150 feet $\frac{3}{4}$ inch rope . .	1 20	7 kegs wire spikes . . .	17 50
100 feet $\frac{1}{2}$ inch rope . .	1 00	5 trowels	2 50
5 gals. harness oil . . .	4 50	212 picks	212 00
5 steam road rollers . .	9,500 00	16 axes	8 00
1 dirt scraper	20 00	1 keg wire nails	2 50
		14 tool boxes	140 00

PERSONAL PROPERTY—Continued.

8 claw hammers \$	4 00	13 single harness	\$260 00
110 hand drills	22 00	185 round pointed	
123 stone points	12 00	shovels	92 50
9 hand saws	4 00	7 tackle blocks and	
20 boxes dynamite . . .	230 00	rope	7 00
71 push brooms	71 00	6 dozen lantern globes	6 00
14 water pails	4 00	11 cans polish	11 00
12 5-gal. water cans . .	4 00	1 Carpenter shop and	
6 2-gal. cans	1 00	tools	100 00
3 derrick chains	3 00	75 sparrow brooms . .	37 50
6 spreaders and chains	12 00	5 sets of springs for	
2 manure forks	1 00	steam roller	20 00
9 brush brooms	1 00	7 bushings	24 50
1 pair rubber boots . .	3 00	6 packages gold dust	60
63 hoes	31 50	1 set wire stretchers . .	1 00
14 frost wedges	7 00	10 iron bars	10 00
27 wheelbarrows	27 00	100 feet one inch rope	1 50
23 long handled shov-		6 sets steam drill steel	300 00
els	11 50	1 dozen Tuttle's elixir	4 00
4 batteries and wires	50 00	2 manure wheel-	
9 spirit levels	4 50	barrows	5 00
3 crosscut saws	9 00	3 dozen bells and	
11 tamping bars	11 00	straps	20 00
1 portable crusher . . .	1,000 00	12 wooden pails	2 00
1 set falls and rope . .	5 00	4 lifting hooks	4 00
2 pair pipe tongs	2 00	26 grub axes	26 00
5 ladders	15 00		

PERSONAL PROPERTY.

Schedule of Personal Property belonging to the Boulevard,
December 31, 1907.

1 sprinkling cart	\$150 00
23 grass signs	2 30
6 stone forks	2 50
3 iron rakes	1 00
9 hoes	4 50
9 lawn mowers	20 00
8 scythe snaths	3 00
2 sickles	1 00
2 soil cutters	1 00
1 sand screen	1 50
1 spirit level	1 00
1 pair edging shears	1 50
1 grindstone	4 00
1 storehouse	200 00
2 wheelbarrows	3 00
2 wooden mallets	75
2 hand sprinklers	1 50
1 wooden maul	25
2 iron pails	75

PERSONAL PROPERTY—Continued.

2 tin dippers	\$	20
2 tree trimmers		1 75
6 wooden rakes		2 00
4 sparrow brooms		1 00
2 picks		1 00
6 round pointed shovels		6 00
6 square pointed shovels		3 00
2 lanterns		1 00
3 sighting sticks		50
1 windmill		1,800 00
1 hand saw		50
2 axes		1 00
6 scythes		6 00
2 hay forks		1 00
3 ladders		12 00
		<hr/>
		\$2,236 50

PERSONAL PROPERTY.

Schedule of Personal Property belonging to the Street Watering Department, December 31, 1907.

22 horses	\$2,500 00
12 sets double harness	300 00
22 halters	17 00
25 collars	40 00
13 sprinkling carts	1,500 00
1 monkey wrench	75
2 neck yokes	2 00
5 double carts.....	500 00
24 feed baskets.....	10 00
2 pair tongs	3 00
2 stepladders	5 00
36 horse brushes	18 00
1 large stillson wrench	1 00
10 pails	2 00
1 feed truck	4 00
8 shut-off wrenches	8 00
1 4-quart measure	50
44 blankets	100 00
11 sponges.....	5 00

PERSONAL PROPERTY—Continued.

11 lbs. soap	\$ 2 75
1 hydrant valve	16 00
12 Jenkin's valves	48 00
3 wagon jacks.....	12 00
3 street car hydrants.....	195 00
19 street car hydrants.....	2,090 00
	<hr/>
	\$7,380 00

PERSONAL PROPERTY.

Schedule of Personal Property belonging to the Sewer Department, December 31, 1907.

10 parts of old grates	\$ 6 00
26 crowbars	26 00
9 crabs for shear poles	225 00
150 feet drain pipe	10 00
16 water barrels	16 00
7 mortar beds	7 00
6 sand screens	30 00
40 catch basin steps	12 00
18 square feet packing	3 00
1 piper's die and stock	18 00
6 tool boxes for boilers	24 00
2 pair tongs	4 00
12 hydrant wrenches	12 00
14 jack bars	4 00
1 paving maul	3 00
4 portable forges	250 00
16 tool boxes	160 00
2 sewer wheelbarrows	2 00
2 dutchmen for hydrants	25 00

PERSONAL PROPERTY—Continued.

9 wooden rolls	\$ 2 25
5 engine houses	100 00
6 batteries	120 00
8 steam drills	1,600 00
10 masons' trowels	10 00
700 feet drill steel	140 00
22 caulking tools	10 00
10 hand drill hammers	5 00
4 tape lines	3 00
5 lbs. shims and wedges	3 50
66 striking hammers	132 00
19 stone hammers	38 00
2 frost hammers	6 00
2 fiddle blocks	11 00
150 pick handles	15 00
10 lbs. oakum	40
3 kegs 10d nails	6 75
13 sheave blocks	1 30
10 catch basin dippers	2 50
12 sheathing caps	28 00
10 iron mauls	10 00

PERSONAL PROPERTY—Continued.

18 wooden mauls	\$ 18 00
12 sets shear poles	120 00
1 Trainer sewer machine	1,500 00
17 jack screws	34 00
4 kegs 30d nails	8 00
198 lanterns	99 00
5 pairs long leg rubber boots	17 50
12 iron pails	12 00
150 feet $\frac{3}{4}$ inch rubber hose	10 00
1 set branding irons	2 00
6 hoes	3 00
18 post hole scoops	36 00
160 round point shovels	80 00
90 square point shovels	45 00
40,000 feet sewer lumber	800 00
6 marine pumps	60 00
200 feet pump hose	200 00
1 60-gal. oil tank	7 50
3 steam drill pumps	3 00
20 drilling spoons.....	10 50
7 hand saws	7 00

PERSONAL PROPERTY—Continued.

7 bbls. Portland cement	\$ 12 56
3 adze	11 25
8 axes	8 00
5 hatchets	5 00
22 packages carriage bolts	22 00
4 spirit levels	6 00
12 measuring sticks	12 00
3 gals. blue paint	6 00
2 claw hammers	1 00
21 padlocks	21 00
100 feet steam drill packing.....	12 00
1 box repairs for marine pump	25 00
8 strainers for marine pumps	7 50
6 monkey wrenches	3 75
3 Lidgewood engines	2,700 00
1 Hoadley engine	350 00
1 Webb-Watson engine.....	500 00
1 upright boiler	250 00
2 derricks	500 00
3 submerged pumps	400 00
2 driving horses	400 00

PERSONAL PROPERTY—Continued.

4 draught horses	\$ 500 00
1 Concord wagon	200 00
1 light sleigh	50 00
4 single sleds	200 00
5 single dump carts	400 00
1 double truck	250 00
7 stable blankets	22 00
7 street blankets	22 00
4 grub axes	2 50
200 picks	150 00
14 large chains	54 25
5 steam drill boxes	20 00
3 tin dippers	30
2 spades	1 00
20 lbs. waste	2 00
12 spanner wrenches	8 50
1 hose nozzle	12 00
1 set taps and dies	15 00
21 sling chains	10 50
7 sets tackle and falls	35 00
100 gals. kerosene oil	10 00

PERSONAL PROPERTY—Continued.

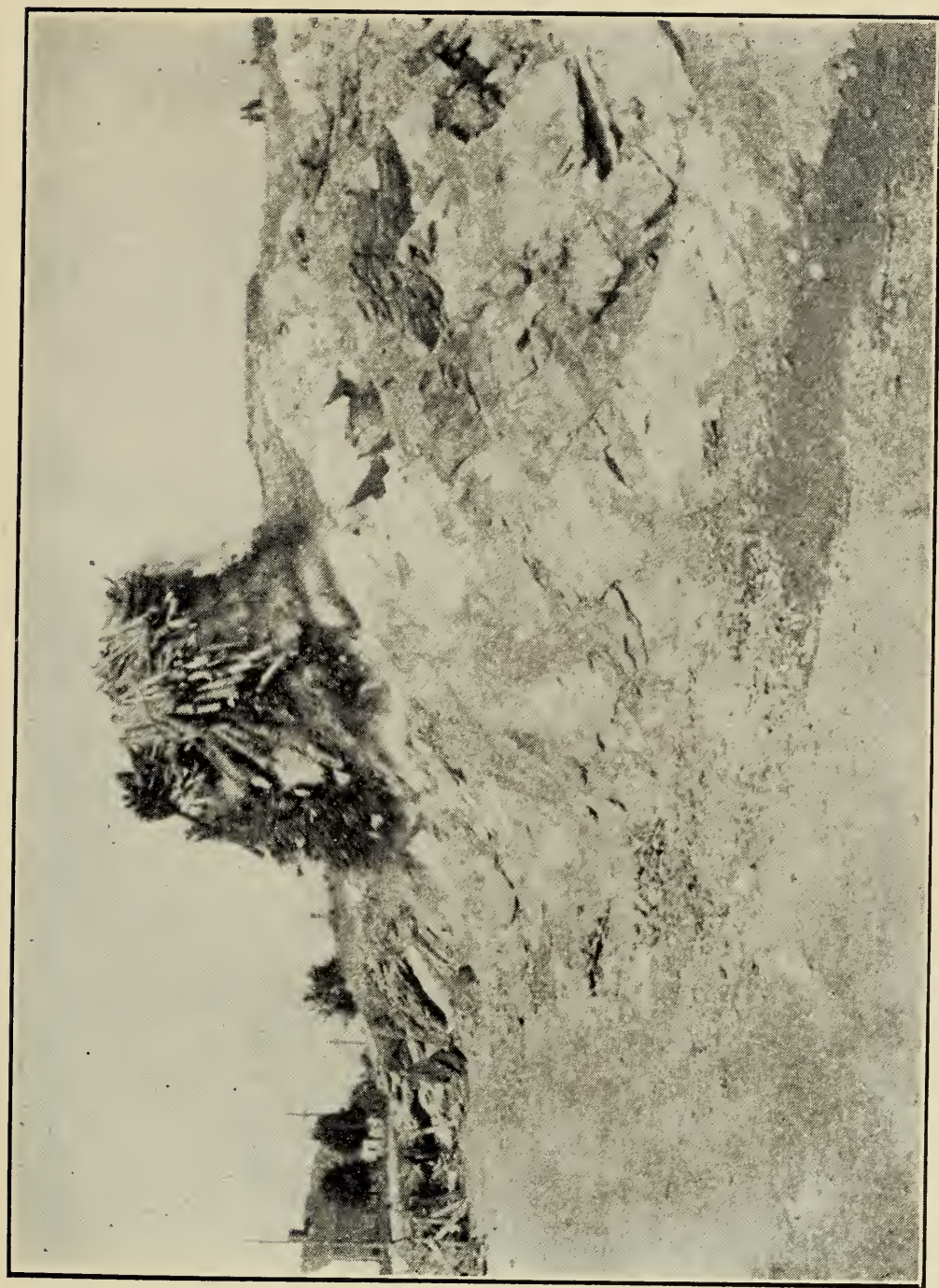
3 neck yokes	\$ 6 00
30 wooden pails	3 00
4 frost wedges	4 00
3 pipe vises	45 00
83 hand drills	19 92
2 rowboats	30 00
6 sheathing dogs	18 00
6 iron tampers	3 00
24 scoop handles	5 00
7 crosscut saws	14 00
20 iron wheelbarrows	60 00
100 feet Canada matched boards	3 00
2 rolls canvas	50 00
1 manhole casting	15 00
1 length iron pipe	24 00
5 single harness	100 00
2 light harness	40 00
1 square wagon	50 00
22,000 brick	231 00
5 tons coal	30 00
7 halters	7 00

PERSONAL PROPERTY—Continued.

1 work bench	\$ 5 00
1 stove	5 00
1 roll tar paper	1 00
2 paving hammers	3 00
6 sets wires for batteries.....	12 00
1 set blacksmith tools	5 00
4 anvils	15 00
10 oilcloth suits	30 00
40 ft. 2½ inch hose	25 00
6 oil cans	5 25
2 paint brushes	50
4 sets engineers' tools	15 00
1 tool house and fixtures	2,500 00
1 table	8 00
1 2-wheel dump cart	30 00
1 bolt cutter	8 00
1 sprinkling can	75
25 feet plug steel	3 75
1 vise	10 00
4 water tubs	2 00
2 hand drills	16 00



AFTER A BLAST, CITY LEDGE, DRACUT.



A TYPICAL BLAST, CITY LEDGE, DRACUT.

PERSONAL PROPERTY—Continued.

4 pairs short rubber boots	\$ 12 00
133 lantern globes	10 64
6 edgestone castings	12 00
5 long handle shovels	4 00
1 scythe snath	1 00
600 feet wrought iron pipe	75 00
3 ejectors.....	35 00
1 oil tank	40 00
300 feet steam drill hose.....	222 00
1 stillson wrench	2 50
1 magazine	375 00
1 box steam drill fixtures	300 00
2 dynamite heaters	5 00
7 diaphragms for pumps.....	12 00
12 boxes exploders	30 00
700 feet 2½ inch hydrant hose	420 00
3 claw bars	3 00
5 plank cutters	5 00
4 waterproof covers	12 00

\$18,406 62

CONCRETE SIDEWALKS REPAIRED IN 1907.

STREETS.	LOCATION.	SQUARE YARDS.	COST.
Andover	North side, between Concord River and Fayette Street	139.4	\$ 69 70
Andover	North side, between Fayette and High Streets .	217.5	108 75
Andover	South side, between Concord and Perry Sts. . .	32.5	16 25
Beech	East side, near Tenth St.	7.6	3 42
Belmont Ave. .	East side, from Mansur St., southerly	8.3	4 15
Belmont Ave. .	West side, from Mansur St., southerly (Hard) .	9.9	9 90
Belmont Ave. .	West side, from Mansur St., southerly	82.0	41 00
Branch	South side, from No. 200 westerly	52.5	26 25
Broadway	North side, at No. 409 . .	7.2	3 24
Butterfield . . .	South side, at School St. .	33.9	16 95
Butterfield . . .	North side, at School St. .	19.6	9 80
Cedar	West side	80.0	40 00
Cedar	East side	5.0	2.50
Central	North side, at No. 1019 .	1.8	90

CONCRETE SIDEWALKS REPAIRED IN 1907.
(Continued.)

STREETS.	LOCATION.	SQUARE YARDS.	COST.
Chelmsford	West side, at Friend Brothers' building	22.6	\$ 10 17
Church	South side, between George and Warren Sts.	15.8	7 90
Concord	East side, from No. 124 southerly	24.2	12 10
Cross	North side, at No. 135 . .	37.7	16 95
Cross	South side, from School St., easterly	7.4	3 70
Durant	South side, at east end of street	10.6	5 30
Durant	South side, at No. 21 . . .	42.5	21 25
Eighteenth	North side	70.2	35 10
Eighteenth	South side	175.4	87 70
Eleventh	South side, between Me- thuen and Beacon Sts.	30.0	15 00
Fort Hill Ave. . .	West side, from Oak St., southerly	14.6	7 30
Fort Hill Ave. . .	East side, from Oak St., southerly	29.5	14 75
Fort Hill Ave. . .	East side, from Oak St., northerly	72.8	36 40

CONCRETE SIDEWALKS REPAIRED IN 1907.
(Continued.)

STREETS.	LOCATION.	SQUARE YARDS.	COST.
Fort Hill Ave...	West side, between Andover and Oak Sts. ...	107.7	\$ 53 85
Franklin	South side	19.4	9 70
Gorham	East side, at No. 104....	54.2	54 20
Grand	East side, between Westford and Chelmsford Sts	5.7	1 71
Hoyt Ave.	East side, at No. 34....	24.6	12 30
Mansur	South side, from Belmont Ave., westerly	154.4	77 20
Mansur	South side, from Belmont Ave., westerly (Hard)	2.8	2 80
Mansur	North side, from Belmont Ave., westerly ..	130.8	65 40
Market	South side, at No. 626 ..	16.3	8 15
Middlesex	North side, at No. 1105 ..	12.0	5 40
Moody	North side, from Tilden St., easterly (Hard) ...	132.2	132 20
Oak	South side, between High and Huntington Sts. ...	45.8	22 75
Oakland.....	West side, from Pine St. to Walden St.	12.0	5 40

CONCRETE SIDEWALKS REPAIRED IN 1907.
(Continued.)

STREETS.	LOCATION.	SQUARE YARDS.	COST.
Princeton	South side, between Ed- son and So. Canton Sts.	113.9	\$ 51 26
School	East side, from Paw- tucket St., northerly . .	132.3	60 53
School	East side, between Cross and Gold Sts.	50.0	25 00
Second Ave. . . .	North side, at No. 30 . . .	26.0	13 00
Second	North side, between No. 26 and Read St.	44.4	22 20
Second	North side, at No. 26 . . .	12.7	6 35
Seventh	North side	25.0	11 25
South	West side, between Appleton and Middle- sex Sts.	17.9	17 90
So. Loring	West side, in front No. 11 and No. 17	10.0	4 50
Stevens	East side, between Prince- ton and Westford Sts. .	16.3	7 34
Stevens	Both sides, between Mar- ginal and Middlesex Sts.	15.0	6 75
Talbot	North side, from Belmont Ave., westerly	62.3	18 69

CONCRETE SIDEWALKS REPAIRED IN 1907.
(Continued.)

STREETS.	LOCATION.	SQUARE YARDS.	COST.
Third	North side, between Bea- con and Vernon Sts. ..	98.7	\$ 44 42
Varnum Ave. ..	South side, at No. 30, (Hard)	19.0	19 00
Wachusett.....	East side	123.7	61 85
Walker.....	East side, near Westford St.....	1.7	85
Walker.....	West side, from No. 407, southerly	19.9	9 95
Westford	South side, at Friend Brothers' building	55.8	25 11
Wilder	East side, between Mid- dlesex St. and Colum- bus Ave.	12.4	6 20
Winter	North side, between Gor- ham and Davis Sts., (Hard)	23.6	23 60
		2,849.0	\$1,513 24

CONCRETE SIDEWALKS TOP-DRESSED IN 1907.

STREETS.	LOCATION.	SQUARE YARDS.	COST.
A	North side, at No. 55 ...	45.7	\$ 13 71
Adams	West side, from Cross St., northerly	72.5	21 75
Andover	South side, in front res- idence Jacob Rogers ..	106.0	31 80
Appleton	North side, at Shedd Block, (Hard)	17.7	12 39
Appleton	South side, between Cen- tral and Gorham Sts. .	10.0	7 00
Belmont Ave. .	East side, from Mansur St., southerly, (Hard)	35.0	24 50
Belmont Ave. .	East side, from Mansur St., southerly	498.2	149 46
Belmont Ave. .	West side, from Mansur St., southerly	167.5	50 25
Belmont Ave. .	West side, from Mansur St., southerly, (Hard)	15.7	10 99
Branch.....	North side, at No. 185, (Hard)	13.7	9 59
Branch.....	South side, from No. 200, westerly	142.7	42 81
Branch.....	North side, from School St., westerly	135.0	40 50
Branch.....	North side, at No. 55 ...	37.6	11 10

CONCRETE SIDEWALKS TOP-DRESSED IN 1907.
(Continued.)

STREETS.	LOCATION.	SQUARE YARDS.	COST.
Branch.....	North side, from Queen St., westerly	81.4	\$ 24 42
Butterfield	North side, at School St. .	5.5	1 65
Canton	West side	129.2	38 76
Cedar	West side	203.7	71 11
Cedar	East side	7.8	2 34
Central.....	West side, at Shedd Block, (Hard)	52.9	37 03
Church	North side, between George and Warren Sts.	408.0	122 40
Church	South side, between George and Warren Sts.	108.1	32 43
Coburn.....	West side, from West Sixth St., northerly ..	53.8	16 14
Columbus Ave.	South side	259.9	77 97
Columbus Ave.	North side	380.0	114 00
Concord	East side, from No. 124 southerly	66.1	19 83
Cross	North side, between Common and Adams Sts.	76.0	22 80
Cross	North side, at No. 135...	77.2	23 16

CONCRETE SIDEWALKS TOP-DRESSED IN 1907.
(Continued.)

STREETS.	LOCATION.	SQUARE YARDS.	COST.
Cross	North side, from School St., easterly	73.5	\$ 22 05
Cross	South side, from School St., easterly	152.9	45 87
Cross	North side, at School St.	10.0	3 00
D	South side, from War- wick St., easterly	24.1	7 23
Decatur	East side, from Salem St., northerly	80.9	24 27
Durant	South side, at east end of street	64.2	19 26
Eighteenth	North side	215.7	64 71
Eighteenth	South side	300.6	90 18
Eleventh	South side, between Me- thuen and Beacon Sts.	106.2	31 86
Fairmount	East side, from Talbot St., southerly	113.1	33 93
Fayette	West side, in front Oblate Fathers' residence	20.4	6 12
Fort Hill Ave. . .	East side, from Oak St., southerly	95.8	28 74
Fort Hill Ave. . .	East side, from Oak St., northerly	54.7	16 41

CONCRETE SIDEWALKS TOP-DRESSED IN 1907.
(Continued.)

STREETS.	LOCATION.	SQUARE YARDS.	COST.
Fort Hill Ave. .	West side, between Andover and Oak Sts. . .	147.9	\$ 44 37
Franklin	North side	334.9	100 47
Franklin	North side, (Hard)	8.9	6 23
Franklin	South side	280.8	84 24
Gold	South side	16.0	4 80
Gorham	East side, bet. Hobson and Union Streets . . .	249.5	74 85
Grand	West side, in front premises No. 105	41.2	12 36
Grand	East side, bet. Westford and Chelmsford Sts. . .	5.7	2 57
Grand	West side, at No. 101 . . .	6.3	1 89
Hanks	West side, at No. 29 . . .	18.4	5 52
Hobson	North side, at Gorham Street	7.9	2 37
Hovey	South side, from Park-view Ave. westerly . . .	50.1	15 03
Jackson	South side, from Central St. westerly, (Hard) . . .	89.1	62 37
Keene	South side, at Cedar St. .	9.3	2 79

CONCRETE SIDEWALKS TOP-DRESSED IN 1907.
(Continued.)

STREETS.	LOCATION.	SQUARE YARDS.	COST.
Liberty	North side, at No. 81, (Hard)	9.5	\$ 6 65
Liberty	North side, at No. 247 ..	18.8	5 64
Mansur	North side, from Bel- mont Ave. westerly ...	65.8	19 74
Mansur	South side, from Bel- mont Ave. westerly, (Hard)	16.9	11 83
Mansur	South side, from Bel- mont Ave. westerly ...	155.9	46 77
Marginal	South side, from Stevens Street easterly	9.4	2 82
Middle	West side, at Central Fire Station, (Hard) ..	50.5	35 35
Middlesex	South side, in front No. 386, (Hard)	104.3	71 92
Middlesex	North side, at No. 119, (Hard)	61.8	43 26
Middlesex	North side, at No. 71 and No. 73, (Hard) ..	55.2	38 64
Middlesex	North side, at No. 649 ..	52.6	15 78
Middlesex	North side, from No. 671 to No. 709	155.4	46 62

CONCRETE SIDEWALKS TOP-DRESSED IN 1907.
(Continued.)

STREETS.	LOCATION.	SQUARE YARDS.	COST.
Middlesex	North side, at No. 211, (Hard)	52.7	\$ 36 89
Middlesex	North side, at No. 1105 .	52.5	15 75
Middlesex	South side, at No. 356, (Hard)	215.2	150 64
Nichols	East side, from East Pine St., southerly . . .	93.0	27 90
Nichols	West side, from East Pine St., southerly . . .	23.8	7 14
Oak	South side, bet. High and Huntington Sts. . .	73.1	21 93
Oak	North side, bet. High and Harrison Sts.	341.0	102 30
Oakland	West side, from Pine St. to Walden Street	148.9	44 67
Pine	South side, from Oak- land St., westerly	7.3	2 19
Princeton	South side, bet. Edson and So. Canton Sts . . .	136.5	40 95
School	East side, from Paw- tucket St., northerly . .	86.3	25 89
School	East side, bet. Cross and Gold Streets	267.2	80 19

CONCRETE SIDEWALKS TOP-DRESSED IN 1907.

(Continued.)

STREETS.	LOCATION.	SQUARE YARDS.	COST.
Second	North side, bet. No. 26 and Read St	44.5	\$ 13 35
Seventh	North side	151.1	45 30
Simpson.....	East side, from First Street, northerly	59.7	17 91
South	West side, bet. Appleton and Middlesex Sts	105.6	31 68
So. Loring	West side, in front No. 11 and No. 17	55.4	16 32
Stackpole	South side, at No. 229 ..	96.7	29 01
Stevens	East side, bet. Prince- ton and Westford Sts..	7.7	2 31
Stevens	Both sides, from Margi- nal to Middlesex St ..	359.2	107 76
Swift	North side, from Law- rence St., westerly ...	48.4	14 42
Talbot	North side, from Bel- mont Ave., westerly ..	62.3	31 15
Talbot	South side, from Bel- mont Ave., westerly ..	141.3	42 39
Third	North side, between Bea- con and Vernon Sts. ..	259.2	67 76

CONCRETE SIDEWALKS TOP-DRESSED IN 1907.

(Continued.)

STREETS.	LOCATION.	SQUARE YARDS.	COST.
Thirteenth.....	North side	5.3	\$ 1 59
Thirteenth.....	South side	46.8	14 04
Wachusett.....	West side.....	339.1	101 73
Wachusett.....	East side	229.2	68 76
Walker.....	West side, at No. 383 ...	19.6	5 80
Walker.....	West side, from Colum- bus Ave., southerly ...	35.0	10 50
Ware	North side	162.4	48 72
Wentworth Ave.	East side, at Nos. 258, 262 and 294	129.4	38 82
West Sixth	North side, from Coburn St. to West St.	236.9	71 07
Wilder	East side, between Grove and Westford Sts.	409.8	122 94
Wilder	East side, between Mid- dlesex St. & R. R. Bridge	115.5	34 65
Willie	West side, from Broad- way, northerly	27.9	8 37
Willie	West side, near Broadway	7.3	2 19

CONCRETE SIDEWALKS TOP-DRESSED IN 1907.

(Continued.)

STREETS.	LOCATION.	SQUARE YARDS.	COST.
Winter	North side, between Gorham and Davis Sts. . .	155.2	\$ 46 56
Winter	South side, between Gorham and Davis Sts. . .	74.0	22 20
		11,423.1	\$3,762 14

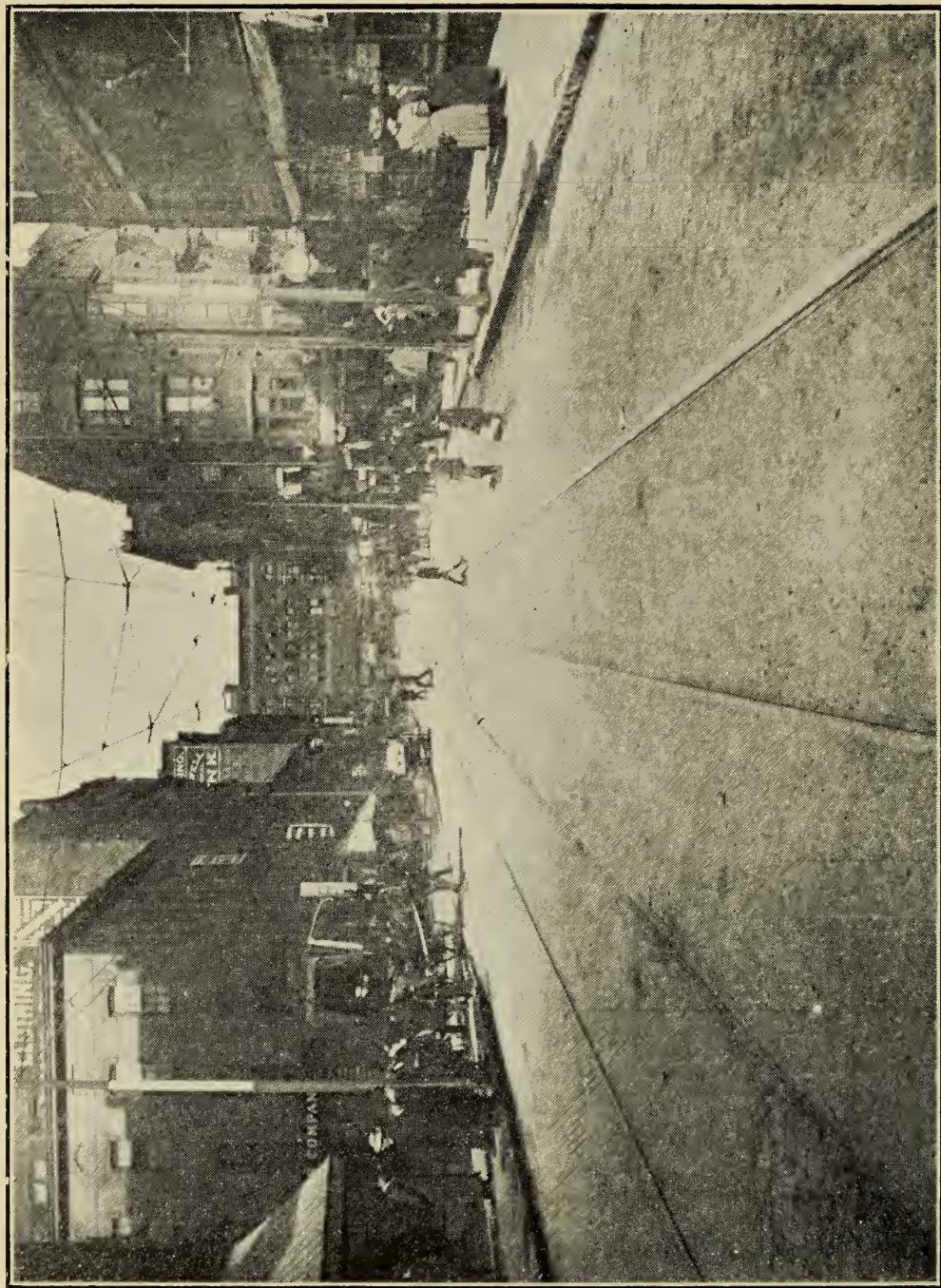
STREETS LAID OUT AND ACCEPTED IN 1907.

STREETS.	LOCATION.	WIDTH IN FT.	LENGTH IN FT.
Boisvert.....	From West Sixth St. to Victor St.	40	445.4
Clifford	From West Forrest St., northerly	40	278.0
Crawford	From Gershom Ave. to White St.....	40	346.0
Dalton	From Ennell St. to Lilley Ave.	40	250.5
Lura	From Wedge St., north- erly	40	267.5
Ruth	From Wedge St., north- erly	40	225.5
Wedge	From Westerly terminus as established in 1905, westerly	40	182.9
West Forrest...	From Stevens St. to Clifford St	40	609.6
			2,605.4

Number of miles of Accepted Streets, Jan. 1, 1907 ... 133.07

Number of miles of Streets Accepted in 1907 0.49

Number of miles of Accepted Streets, Jan. 1, 1908 ... 133.56



GRANITE BLOCK PAVEMENT ON HASSAM CONCRETE BASE, CENTRAL STREET.

A Resolution was passed Sept. 10th, 1907, to straighten East Merrimack Street from its easterly terminus as defined by Resolution of the City Council, passed August 9th, 1887, about one thousand, one hundred seventy-six (1,176) feet easterly, and establish the grade thereof.

A Resolution was passed Dec. 24th, 1907, to discontinue Crosby Street from Newhall Street, easterly.

A Resolution was passed Dec. 10th, 1907, to widen and straighten Pine Street and re-establish the grade thereof, from Wilder Street to Stevens Street.

A Resolution was passed July 16th, 1907, to change the name of Genoa Avenue to Gershom Avenue.

REPORT OF THE
SIDEWALKS.

RESOLUTIONS PASSED BUT SIDEWALKS NOT COMPLETED.

STREETS.	LOCATION.	PASSED.	Lin. Ft. Edgestone to be Laid.	Sq. Yds. Concrete to be Laid.
Boynton	North side	Oct. 8 1907.	1237.4	
Crawford . . .	Both sides, from Ger- shom Ave. to White St.	July 31 1907.	712.0	
Dalton	Both sides, from Ennell St. to Lil- ley Avenue	Nov. 26 1907.	500.0	
Lane	East side, from Horn St., northerly 313 ft.	July 31 1907.		191.0
Norcross	North side, in front premises Herman B. Decatur	June 11 1907.	100.6	
Parker	South side, from Rhodora St., west- erly 111 ft.	Oct. 31 1907.	111.0	70.0
Rhodora	West side, from Par- ker St. to Wedge St	Oct. 31 1907.	669.6	409.0
Ware	East side	Oct. 8 1907.	581.5	355.0
Wedge	North side, from Rhodora St., west- erly	Oct. 31 1907.	337.2	218.0
Wilder	West side, from Broadway, north- erly 350 ft.	June 27 1905.		151.4
			4,249.3	1,394.4

SIDEWALKS ACCEPTED IN 1907.

STREETS.	LOCATION.	DESCRIPTION.	DATE OF PASSAGE.
Astor	South side, from Hanks St., westerly	Concrete	July 16
Burt . . .	East side, from West- ford St., southerly 100 feet	Concrete	Nov. 12
Burt . . .	West side, from West- ford St., southerly 67 feet	Concrete	Nov. 12
Concord .	West side, from Sher- man St., southerly, 250 feet	Concrete	May 28
Gates	East side, from Sheldon St., southerly 92.6 feet	Edge. and Con.	Nov. 12

CONCRETE PAVEMENT REPAIRED IN 1907.

STREET.	LOCATION.	SQ. YDS.	COST.
Pawtucket	North side	205.7	\$143 99
Pawtucket	South side	148.9	104 23
		354.6	\$248 22

BITULITHIC PAVEMENT REPAIRED IN 1907.

Central	At Crosby St. and Gorham St. . . .	75.2	\$ 75 20
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GRANOLITHIC SIDEWALK LAID IN 1907.

Jefferson and Lewis	In front Greek Orthodox Church . .	129.4	\$116 60
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BICYCLE PATHS REPAIRED IN 1907.

STREET.	LOCATION.	SQ. YDS.	COST.
Bridge	East side, from Canal Bridge, northerly	69.0	\$ 93 15
Bridge	West side, between Canal Bridge and Central Bridge, Hard Top- dressing	108.8	73 98
Bridge	East side, between Merrimack Sq. and Canal St., Hard Top-dressing	197.9	134 58
Bridge	East side, near Canal Bridge	12.5	12 50
Bridge	West side, between Canal Bridge and Merrimack St., Hard Top- dressing	205.9	140 02
Bridge	West side, between Ludlam St. and Hampshire St.	21.5	14 62
Bridge	West side, between Ludlam St. and Hampshire St.	166.9	166 90
Bridge	East side, between Willard St. and Thirteenth St.	48.5	32 98
Bridge	East side, between Willard St. and Thirteenth St.	127.7	127 70
		958.7	\$796 43

CONCRETE CROSSINGS REPAIRED IN 1907.

STREETS.	LOCATION.	SQ. YDS.	COST.
Liberty	At Lane St., Hard Concrete	5.5	\$ 5 50
Liberty	At Lane St., Hard Top-dressing	38.7	26 21
Middlesex	South side, at Canton St., Hard Top-dressing	15.3	10 71
Middlesex	South side, at Canton St., Hard Concrete	15.3	15 30
Nichols	East side, at East Pine St., Hard Top-dressing	37.6	26 32
Twelfth	At July St.	10.2	10 20
		122.6	\$94 24

CONCRETE CROSSINGS LAID IN 1907.

Liberty	At Powell St.	42.8	\$42 80
Oak	At Fort Hill Avenue	37.3	37 30
		80.1	\$80 10

ASPHALT PAVEMENT REPAIRED IN 1907.

STREETS.	LOCATION.	SQ. YDS.	COST.
Aiken.....	Between Hall and Cheever Sts. ..	63.9	\$111 89
Aiken.....	Between Perkins and Hall Sts....	41.4	72 39
Aiken.....	Between Aiken St. Bridge and Perkins St.	138.9	243 11
Aiken.....	From Aiken St. Bridge to Hall St.	72.8	127 40
Aiken.....	Between Hall and Cheever Sts. .	9.0	15 75
Broadway	Between Suffolk and Walker Sts.	174.7	305 26
Hall	At Aiken St.	18.5	32 41
Hall	At Aiken St.	6.9	12 07
Market	Between Central and Palmer Sts.	10.6	18 55
Market	Between Central and Palmer Sts.	6.5	11 37
Suffolk.....	Between Broadway and Market Sts.	3.4	5 95
Westford	Between Loring and Wilder Sts. .	2.1	3 67
		548.7	\$959 82

ASPHALTINA PAVEMENT REPAIRED IN 1907.

STREETS.	LOCATION.	SQ. YDS.	COST.
Gorham	East side	98.2	\$171 85
Gorham	West side	59.6	104 30
Suffolk	Between Broadway and Adams Sts.	20.4	35 70
Westford	Between Grand and Chelmsford Sts.	52.7	92 22
Westford	Between School and Loring Sts., south side	115.1	201 42
Westford	Between Grand and School Sts., south side	141.7	247 97
Westford	Between School and Grand Sts., north side	132.7	232 22
Westford	Between Loring and School Sts., north side	147.2	257 60
		767.6	\$1,343 28

GRADING STREETS WITH GRAVEL.

STREETS.	LINEAR FEET.	LABOR.	TEAMING.	TOTAL COST.
Carlisle.....	675	\$ 253 91	\$ 98 25	\$ 352 16
Chelmsford	1600	1,132 78	236 50	1,369 28
Gorham	1973	1,512 01	564 00	2,076 01
Ina	175	155 91	44 00	199 91
Pihl	400	177 98	42 00	219 98
Plain	585	213 83	44 00	257 83
Varnum Avenue...	1910	1,339 92	361 50	1,701 42
Wilder	657	507 15	119 75	626 90
	7975	\$5,293 49	\$1,510 00	\$6,803 49

GRADING STREETS WITH CINDERS.

STREETS.	LINEAR FEET.	LABOR.	TEAMING.	TOTAL COST.
Beacon,	1200	\$ 335 93	\$135 93	\$ 471 86
Brown	280	64 72	22 00	86 72
East Merrimack . .	700	170 55	53 75	224 30
Eighteenth	560	66 50	28 00	94 50
First	846	109 50	39 00	148 50
Holyrood Avenue .	640	165 72	79 00	244 72
Howe	204	33 00	14 00	47 00
Rhodora	504	67 19	40 50	107 69
Rogers	200	30 50	11 00	41 50
Sidney	486	124 81	66 50	191 31
Stackpole	1118	291 95	132 00	423 95
Warren	600	105 19	26 00	131 19
Wedge	360	41 75	13 00	54 75
	7698	\$1,607 31	\$660 68	\$2,267 99

MACADAMIZED STREETS.

STREETS.	LOCATION.	LINEAR FEET.	SQUARE YARDS.	LABOR.	TEAMING	MATERIAL.	TOTAL COST.
Alder	From East Merrimack St. to Stackpole St ..	454.9	1,289.8	\$ 128 65	\$ 141 52	\$ 569 98	\$ 840 15
Beacon	" Methuen Street, westerly	518.0	1,611.6	481 44	174 25	901 80	1,557 49
Boisvert	" West Sixth St. to east side Victor St ..	490.0	1,524.4	189 85	135 45	742 20	1,067 50
Concord	" Pond Street to Rogers Street	1,655.5	4,932.2	1,322 71	318 50	1,990 74	3,637 95
Ellsworth	" Gorham St. to west side Dix St	403.0	1,029.9	332 19	61 00	474 36	867 55
Eighth	" Bridge Street to Methuen Street	360.3	728.0	179 25	42 50	402 30	624 05
First	" Read Street, easterly	200.0	444.4	73 60	26 00	186 30	285 90
Fort Hill Avenue	" Andover Street to Sherman Street	1,373.2	3,965.5	668 20	532 83	2,264 68	3,465 71
Fairview	" Fairmount Street to Belmont Avenue ..	469.0	1,490.4	367 08	149 63	656 31	1,173 02
Humphrey	" Methuen Street, westerly	1,830.0	4,473.3	859 15	275 00	2,694 60	3,828 75
Highland	" South Street to Thorndike Street	852.9	3,420.9	732 99	563 40	934 71	2,231 10
Kinsman	" Whipple Street to Crosby Street	567.7	1,300.7	178 91	71 00	583 20	833 11
Oak	" Fort Hill Ave. to Nesmith Street	200.0	655.3	80 83	89 07	264 60	434 50
Pine	" Stevens Street to Gibson Street	1,150.0	3,663.3	1,295 18	433 10	1,657 78	3,386 06
Pond	" Perry Street to Pleasant Street	241.4	869.8	73 87	46 00	448 80	568 67
South	" Gorham Street to Locke Street	255.0	878.3	84 16	56 00	464 40	604 56
Tenth	" Beacon Street to near Christian Street ..	750.0	1,848.9	457 40	161 81	1,101 60	1,720 81
Wachusett	" Twelfth Street to Thirteenth Street	580.6	1,419.2	403 74	111 63	712 80	1,228 17
Waverley Avenue	" Rogers Street to Belrose Avenue	387.2	1,075.6	160 91	77 75	588 60	827 26
West Sixth	At Square	564.7	2,017.2	286 88	104 75	1,177 20	1,568 83
		13,303.4	38,638.7	\$8,362 99	\$3,571 19	\$18,816 96	\$30,751 14

RELAYING CROSSINGS.

STREETS.	LOCATION.	LINEAR FEET.	LABOR.	TEAMING.	STOCK.	TOTAL COST.
Alder	At Bartlett Street	94	\$34 06			\$34 06
Branch	" Walker Street	94	34 00			34 00
Central	" Church Street	60	14 00			14 00
Concord	" Prescott Street	72	46 11			46 11
Concord	" Pond Street	72	18 14	\$ 1 50	\$14 00	33 64
Concord	" Sherman Street	99	21 25	1 50	14 00	36 75
East Merrimack	" High Street	32	18 75			18 75
Fairmount	Across Fairmount Street	72	18 05	88		18 93
Fairmount	At Fairview Street	72	18 04	87		18 91
Fairmount	" Talbot Street	72	18 05	88		18 93
Fairmount	" Mansur Street	72	18 04	87		18 91
Floyd	" Kinsman Street	56	10 63			10 63
Fort Hill Avenue	" Oak Street	58	16 24			16 24
Fort Hill Avenue	" Porter Street	56	15 18			15 18
Fort Hill Avenue	" Sherman Street	58	17 13			17 13
Fort Hill Avenue	" Porter Street	56	16 57			16 57
Humphrey	" Methuen Street	56	11 82			11 82
Jewett	" West Sixth Street	88	17 75			17 75
John	" Merrimack Street	58	16 40			16 40
Kinsman	" Whipple Street	32	6 37			6 37
Livingston	" Gorham Street	44	10 50	1 00	8 36	19 86
Paige	" Bridge Street	42	18 50			18 50
Pine	" Highland Avenue	60	20 15	1 00	12 00	33 15
Pine	" Foster Street	60	22 17		12 00	34 17
Shattuck	" City Avenue	60	12 00	1 50	10 60	13 50
Sherman	" Concord Street	56	16 25			16 25
West Sixth	" Lilley Avenue	80	26 38	2 62		29 00
Willie	" Franklin Street	63	21 65	2 25		23 90
Wilder	" Middlesex Street	76	21 38	2 00		23 38
		1830	\$555 56	\$16 87	\$70 96	\$643 39

NEW CROSSINGS.

STREETS.	LOCATION.	DESCRIPTION.	LINEAR FEET.	LABOR.	TEAMING.	STOCK.	TOTAL COST.
Butterfield	At School Street	Granite	65	\$ 25 88	\$ 1 88	\$ 42 30	\$ 70 06
East Merrimack	" Alder Street	"	65	26 20	2 25	41 50	69 95
First	" Read Street	"	66	28 48	1 50	25 08	55 06
Fourth Avenue	" Ina Street	"	104	37 88	4 50	39 52	81 90
Fort Hill Avenue	" Porter Street	"	72	24 75	2 00	27 36	54 11
Fort Hill Avenue	" Oak Street	Brick	60	36 61		9 92	46 53
Lawrence	" Moore Street	Granite	87	30 87	3 25	37 06	71 18
Middlesex	" Walker Street	"	64	17 00	1 00	44 52	62 52
Nesmith	" Clitheroe Street	"	82	34 00	2 00	31 16	67 16
Parker	" Wilder Street	"	60	18 00	2 25	22 80	43 05
Perry	" Andover Street	"	80	29 63	2 75	29 60	61 98
Pine	" Oakland Street	"	56	14 75	2 00	30 96	47 71
South Highland	" Burns Street	"	46	17 25	1 50	27 08	45 83
Whipple	" Swift Street	"	48	15 00	1 50	18 24	34 74
			955	\$356 30	\$28 38	\$427 10	\$811 78

REPAIRING BRIDGES.

STREETS.	LABOR.	TEAMING.	STOCK.	TOTAL COST.
Dutton	\$ 36 32	\$ 2 00	\$ 83 25	\$121 57
Lincoln	17 41		151 25	168 66
Lundberg	47 97	4 00	211 00	262 97
Middlesex	4 88		7 80	12 68
Newhall	7 69		95 75	103 44
Plain	18 06			18 06
School	8 25			8 25
	\$140 58	\$6 00	\$549 05	\$695 63

REPAIRING CROSSINGS.

STREETS.	LABOR.	TEAMING.	TOTAL COST.
Central	\$23 97	\$ 50	\$24 47
Concord	6 56		6 56
East Merrimack	11 50	1 00	12 50
Nesmith	21 52		21 52
Rogers	5 93		5 93
School	17 06	88	17 94
	\$86 54	\$2 38	\$88 92

REPAIRING MACADAM.

STREETS.	LABOR.	TEAMING.	STOCK.	TOTAL COST.
Andover	\$ 31 47	\$ 3 37	\$ 55 90	\$ 90 74
Belmont Avenue	5 98	2 30	11 70	19 98
High	13 09	1 50	26 35	40 94
Mansur	59 10	20 70	114 40	194 20
	\$109 64	\$27 87	\$208 35	\$345 86

REPAIRING SIDEWALKS.

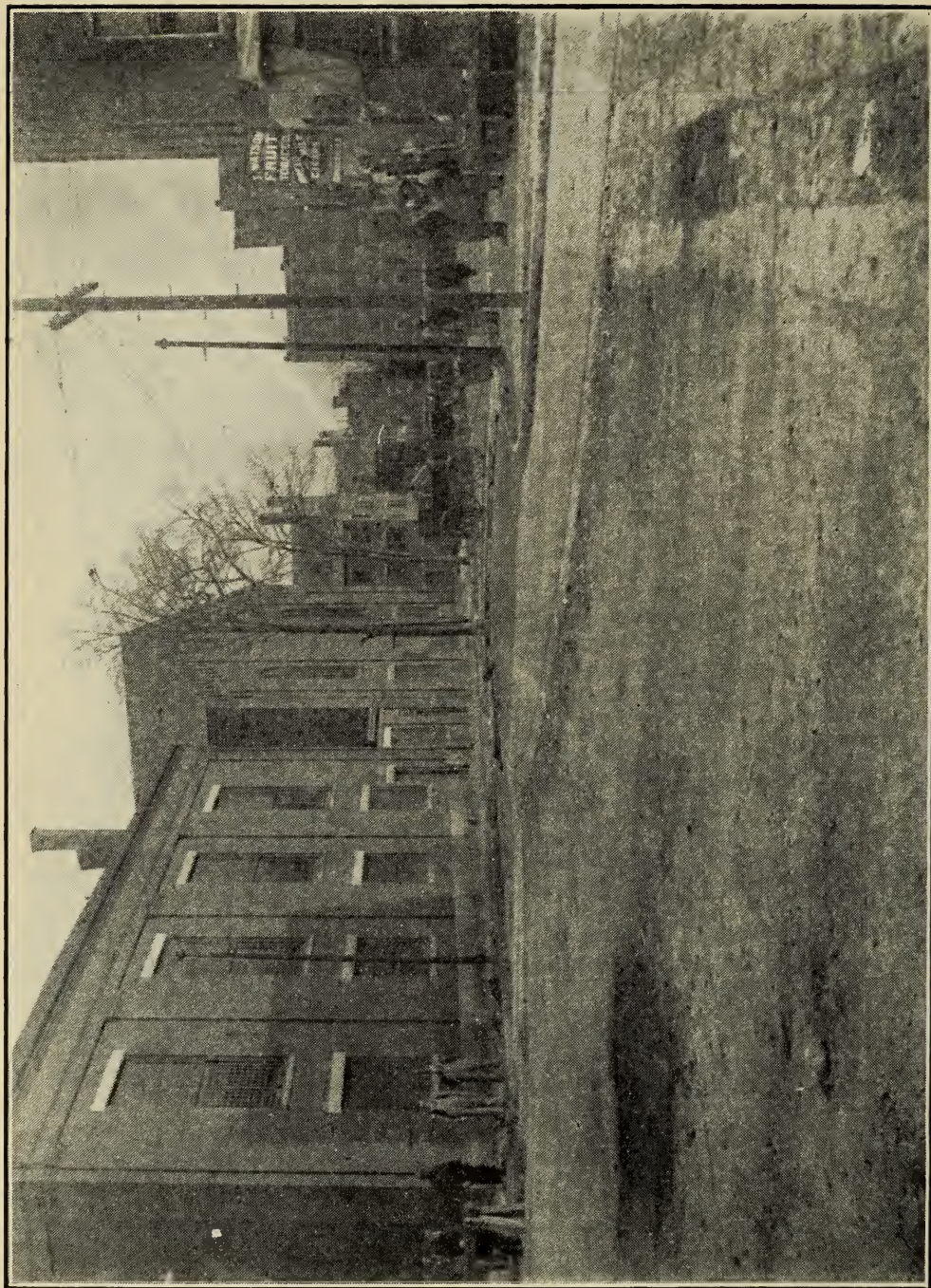
STREETS.	LABOR.	TEAMING.	TOTAL COST.
Andover	\$ 2 75	\$ 1 00	\$ 3 75
Beacon	2 00	2 00	4 00
Cabot.....	72	13	85
Keene	1 44	25	1 69
Lakeview Avenue	2 60	37	2 97
Madison	50	25	75
Merrimack	12 19	1 63	13 82
Paige	9 00		9 00
Thorndike	14 00	1 50	15 50
Tremont	3 84	62	4 46
Willie.....	5 50	2 00	7 50
Wilder	1 34	50	1 84
	\$55 88	\$10 25	\$66 13

RELAYING SIDEWALKS.

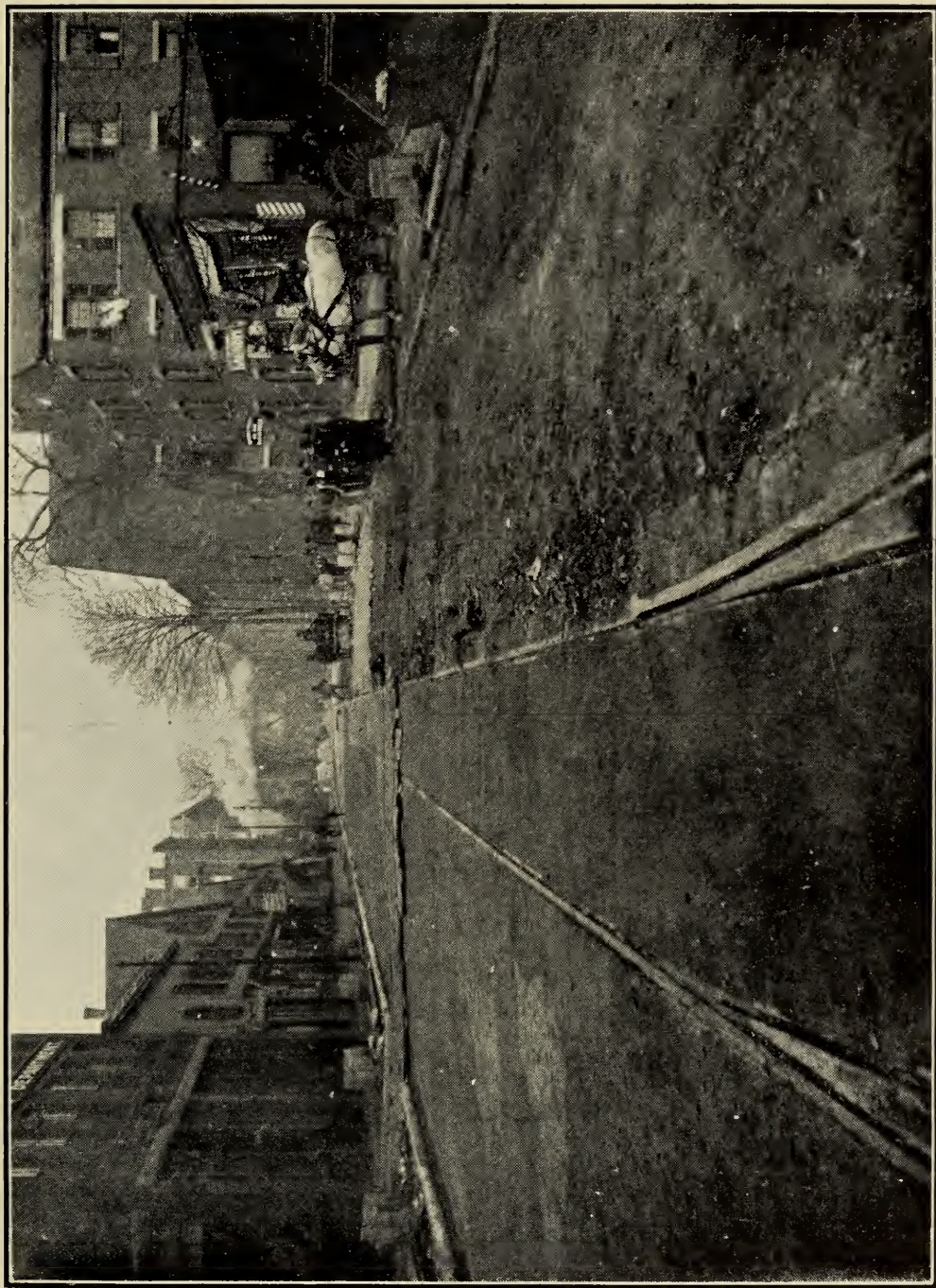
STREETS.	SQ. YDS.	LABOR.	TEAMING.	STOCK.	TOTAL COST.
Andover	68	\$ 15 63			\$ 15 63
Central	180	72 66		\$21 00	93 66
Davidson ...	153	40 00			40 00
John	22.7	7 43			7 43
Market	157	17 00			17 00
Middle	131	25 02	\$2 25		27 27
	711.7	\$177 74	\$2 25	\$21 00	\$200 99

GRADING SIDEWALKS.

STREETS.	LINEAR FEET.	LABOR.	TEAMING.	TOTAL COST.
Ennell	300	\$17 71	\$ 2 25	\$19 96
Lawrence	200	21 00	4 00	25 00
West Forrest	40	4 09	1 25	5 34
Willard	375	37 68	4 50	42 18
	915	\$80 48	\$12 00	\$92 48



LAYING HASSAM PAVEMENT, JUNCTION OF JOHN AND PAIGE STREETS.



LAYING HASSAM PAVEMENT ON PAIGE STREET.

PAVING GUTTERS.

STREETS.	LINEAR FEET.	LABOR.	TEAMING.	STOCK.	TOTAL COST.
Alder	700	\$ 64 75	\$ 5 25	\$ 26 00	\$ 96 00
Belmont Ave. .	325	29 34	2 25		31 59
Cheever	180	23 04	4 50		27 54
Columbus Ave.	150	21 63	1 50		23 13
Concord.....	327.6	27 75	8 00	17 00	52 75
Eighteenth	1244	113 75	6 62		120 37
Fort Hill Ave...	2612	242 68	7 00	70 00	319 68
Highland Ave.	108.7	19 00	1 50	7 00	27 50
Humphrey	1300	180 57	25 81		206 38
Jewett	211	36 43	2 25		38 68
Nineteenth	100	7 88	50		8 38
Oak	180	36 64	3 00	18 00	57 64
Parker	140	18 28	9 00		27 28
Pine	2236	471 78	25 83	115 00	612 61
Plain	25	4 00	50		4 50
Simpson	110	4 44	25		4 69
Stevens	122	18 00	2 25		20 25
Wachusett	1161	113 87	2 13		116 00
Wilder	265	33 26	2 00		35 26
	11497.3	\$1,467 09	\$110 14	\$253 00	\$1,830 23

REPAVING GUTTERS.

STREETS.	LINEAR FEET.	LABOR.	TEAMING.	STOCK.	TOTAL COST.
Alder	610	\$ 40 71			\$ 40 71
Belmont Ave...	100	15 47			15 47
Concord.....	327	27 42			27 42
Eleventh	589	65 87	\$ 4 00		69 87
Fairview	379	92 07		\$ 31 00	123 07
Fairmount	385	40 68	2 00		42 68
Fourth Avenue	110	6 13			6 13
Grand	54	5 15			5 15
Mansur	660	60 41			60 41
Moody	75	13 00			13 00
Oak	210	21 82	2 00	19 00	42 82
So. Highland ..	531	63 57	3 24	3 00	69 81
Twelfth	310	32 60	3 00		35 60
West Sixth	85	7 50			7 50
Wilder	35	7 13	75		7 88
	4460	\$499 53	\$14 99	\$ 53 00	\$567 52

REPAVING.

STREETS.	SQ. YDS.	LABOR.	TEAMING.	STOCK.	TOTAL COST.
Bridge	112	\$ 68 69	\$ 4 12		\$ 72 81
Central	93	37 00	50		37 50
Chelmsford	100	64 54	4 25		68 79
E. Merrimack ..	206	151 28	41 75	\$21 00	214 03
First.....	178	111 00	4 50	7 00	122 50
Laurel	386	250 75			250 75
Rogers	526	341 48	8 13		349 61
Warren	142	48 38	2 24	5 00	55 62
	1780	\$1,073 12	\$65 50	\$33 00	\$1,171 62

REPAIRING GUTTERS.

STREETS.	LINEAR FEET.	LABOR.	TEAMING.	TOTAL COST.
A	560	\$11 37	\$2 00	\$13 37
Cross	250	4 75	1 00	5 75
Hovey	375	6 07	1 38	7 45
Lundberg	1200	15 75	3 00	18 75
Mansur	400	7 51		7 51
Parker	125	2 84	50	3 34
School	410	7 87		7 87
South.....	600	11 38	2 00	13 38
Tenth.....	380	6 75		6 75
	3200	\$74 29	\$9 88	\$84 17

RESETTING EDGESTONES.

STREETS.	LINEAR FEET.	LABOR.	TEAMING.	TOTAL COST.
Andover	520	\$ 67 02		\$ 67 02
B	95	7 38	\$ 25	7 63
Belmont Ave ..	485	66 81		66 81
Cabot.....	465	44 25		44 25
Central	78	9 63		9 63
Cedar	904	91 71		91 71
Concord.....	424.6	50 01		50 01
Davidson	225	30 94		30 94
Eighteenth	1011	85 79		85 79
Eleventh	204	14 00		14 00
Fairmount	117	20 42		20 42
Fort Hill Ave .	830.7	99 22		99 22
Highland.....	1287.2	390 21		390 21
High	96	6 00		6 00
Humphrey	125	7 88		7 88
John	50	8 10		8 10
Lincoln	30	6 37		6 37
Madison	130	8 01	50	8 51

RESETTING EDGESTONES—Continued.

STREETS.	LINEAR FEET.	LABOR.	TEAMING.	TOTAL COST.
Market	115	\$ 36 00	\$ 2 00	\$ 38 00
Mansur	729	89 27		89 27
Middle	140	8 73	1 25	9 98
Nineteenth	100	6 88		6 88
Oak	343	54 40		54 40
Paige	725.6	98 78		98 78
Second.....	150	11 81		11 81
Sherman	30	3 66		3 66
Simpson	95	6 66		6 66
Stackpole	168	16 87		16 87
Twelfth	160	9 85		9 85
Wachusett	492	15 74		15 74
Warwick	719	42 96		42 96
West Sixth ...	213	15 00		15 00
	.11257.1	\$1430 36	\$4 00	\$1434 36

NEW EDGESTONES.

STREETS.	LINEAR FEET.	LABOR.	TEAMING.	STOCK.	TOTAL COST.
Alder	459 1	\$ 58 89	\$ 4 00	\$171 31	\$ 234 20
Astor	472 2	72 60	3 00	168 87	244 47
Autumn	1,051 6	141 23	6 00	392 45	539 68
Boisvert	959 8	96 38	9 75	346 64	452 77
Burgess	55 6	7 13	1 21	19 46	27 80
Cabot.....	57	13 53	1 00	32 30	46 83
Central	165	24 75	2 00	61 55	88 30
Cheever	175 8	30 41	3 75	62 53	96 69
Concord.....	22 8	4 25	1 00	9 53	14 78
Davenport	203 3	35 49	5 18	72 59	113 26
E. Merrimack ..	148	24 36	4 00	54 37	82 73
Eighth Avenue .	102 4	10 29	2 00	35 84	48 13
Ennell	270 5	41 95	6 75	105 38	154 08
Fort Hill Avenue	228 9	23 03	4 45	83 59	111 07
Genoa Avenue ..	669 2	107 77	6 00	248 31	362 08
Gorham	50	9 96	50	17 50	27 96
Grand	129 6	20 79	1 25	45 36	67 40
Highland.....	234 3	35 10	4 00	86 19	125 29
Jefferson	65	14 63	2 00	25 99	42 62
Lewis	112	13 12	2 00	39 20	54 32
London	691 6	87 90	2 00	242 06	331 96
Maple	926 3	108 42	12 00	327 84	448 26
Mt. Hope	80	17 00		24 50	41 50
Paige	159	33 39	1 50	59 45	94 34

NEW EDGESTONES—Continued.

STREETS.	LINEAR FEET.	LABOR.	TEAMING.	STOCK.	TOTAL COST.
Pine	383 1	\$ 63 79	\$ 1 34	\$134 08	\$199 21
South Highland	491 6	82 19	11 05	175 51	268 75
Warwick	822 8	127 01	12 87	291 51	431 39
West Sixth	938 6	150 71	18 25	338 99	507 95
	10,123 5	\$1,456 07	\$128 85	\$3,672 90	\$5,257 82

REPAIRING STREETS.

STREETS.	LABOR.	TEAMING.	STOCK.	TOTAL COST.
A	\$ 16 72	\$ 5 00		\$ 21 72
Agawam	3 50	87		4 37
Andover	105 28	32 63	\$ 9 10	147 01
Autumn	87 00	14 00		101 00
B	15 35	4 00		19 35
Bartlett	3 75	50		4 25
Beacon.....	18 47	7 50		25 97
Bellevue	2 75	1 00		3 75
Bell Avenue	4 13	1 50		5 63
Billings	1 03	50		1 53
Bowers.....	6 45	1 44		7 89
Boston Road	330 22	133 00		463 22
Bridge	8 74	1 12		9 86
Branch.....	2 16	38		2 54
Butman Road ...	28 31	9 75		38 06
Cabot	9 13	1 63		10 76
Central.....	3 00	1 50		4 50
Cedar	2 75	1 00		3 75

REPAIRING STREETS—Continued.

STREETS.	LABOR.	TEAMING.	STOCK.	TOTAL COST.
Chapel	\$ 7 00	\$ 88		\$ 7 88
Chelmsford	5 50	50		6 00
Church	3 59	63		4 22
Claire	20 65	3 50		24 15
Clark Road	365 48	140 88		506 36
Concord	8 01	1 00		9 01
Durant.....	5 71	25	\$ 2 86	8 82
East Merrimack ..	95 19	16 00		111 19
Elmwood Avenue	74 62	36 75		111 37
Eleventh	13 02	9 50		22 52
Ennell	2 07	1 00		3 07
England.....	69 25	8 00		77 25
Eustis Avenue ...	1 03	50		1 53
Favor	3 00	1 50		4 50
Fairmount.....	2 75	1 00		3 75
Fifth	19 50	11 00		30 50
Fourth Avenue...	139 45	35 37		174 82
Gorham	13 21	25		13 46

REPAIRING STREETS—Continued.

STREETS.	LABOR.	TEAMING.	STOCK.	TOTAL COST.
Hanover	\$ 3 44	\$ 50		\$ 3 94
Highland Avenue.	88 48	35 75		124 23
High.....	2 24	37		2 61
Holyrood Avenue	5 12	50		5 62
Howe	15 28	8 50		23 78
Humphrey	86 75	41 00	\$ 76 80	204 55
Jefferson	25 31	13 50	88 00	126 81
John	10 25	6 00		16 25
King.....	1 51	25		1 76
Lawrence:.....	4 75	75		5 50
Lincoln	26 62	11 00		37 62
Linden	6 75	3 75		10 50
Locke	2 25	1 50		3 75
London	11 50	1 50		13 00
Lundberg	89 14	33 00		122 14
Maple	4 88	2 24		7 12
Methuen	6 25	6 25	65 00	77 50
Merrimack.....	8 44	1 13		9 57

REPAIRING STREETS—Continued.

STREETS.	LABOR.	TEAMING.	STOCK.	TOTAL COST.
Middlesex	\$114 20	\$ 50 50		\$164 70
Moody	10 62	2 12		12 74
Moore	2 49	63		3 12
Manahan	3 13	1 00		4 13
Market	2 88	50		3 38
Mt. Hope	42 21	13 25	\$ 85 80	141 26
North	2 81	38		3 19
Oliver	9 62	2 00		11 62
Oak	5 12	3 00		8 12
Pawtucket	1 43	25		1 68
Palmer	94	12		1 06
Parker	10 31	6 50		16 81
Parkview Avenue .	4 50	4 50	17 16	26 16
Perry	22 22	9 00	29 60	60 82
Pine	1 99	50		2 49
Porter	53 90	31 00		84 90
Pond	26 06	8 00		34 06
Race	94	13		1 07

REPAIRING STREETS—Continued.

STREETS.	LABOR.	TEAMING.	STOCK.	TOTAL COST.
Rock	\$ 2 88	\$ 50		\$ 3 38
Sargent	10 79	1 25		12 04
School	34 23	9 00		43 23
Second	50	50	\$ 4 92	5 92
Seventh	46 89	11 63	75 00	133 52
Simpson.....	2 19	50	2 86	5 55
Smith	2 25	1 50		3 75
South	8 25	4 00		12 25
So. Highland	1 94	50		2 44
Stevens	32 26	10 00		42 26
Summer	16 50	8 25		24 75
Suffolk	12 34	2 13		14 47
Tanner	69 73	25 88		95 61
Tenth	12 25	4 50		16 75
Thorndike	9 75	3 50		13 25
Third	4 06	25	2 86	7 17
Varnum Avenue..	28 30	12 25	43 55	84 10
Walker.....	1 87	25		2 12

REPAIRING STREETS—Continued.

STREETS.	LABOR.	TEAMING.	STOCK.	TOTAL COST.
Wannalancit	\$ 10 40	\$ 2 25		\$ 12 65
Wedge	40 25	18 00		58 25
Western Avenue . .	9 75	1 00		10 75
Wilder	22 26	5 00		27 26
Willard	593 90	122 75	\$859 60	1,576 25
	\$3,185 64	\$1,032 09	\$1,363 11	\$5,580 84

CINDER SIDEWALKS.

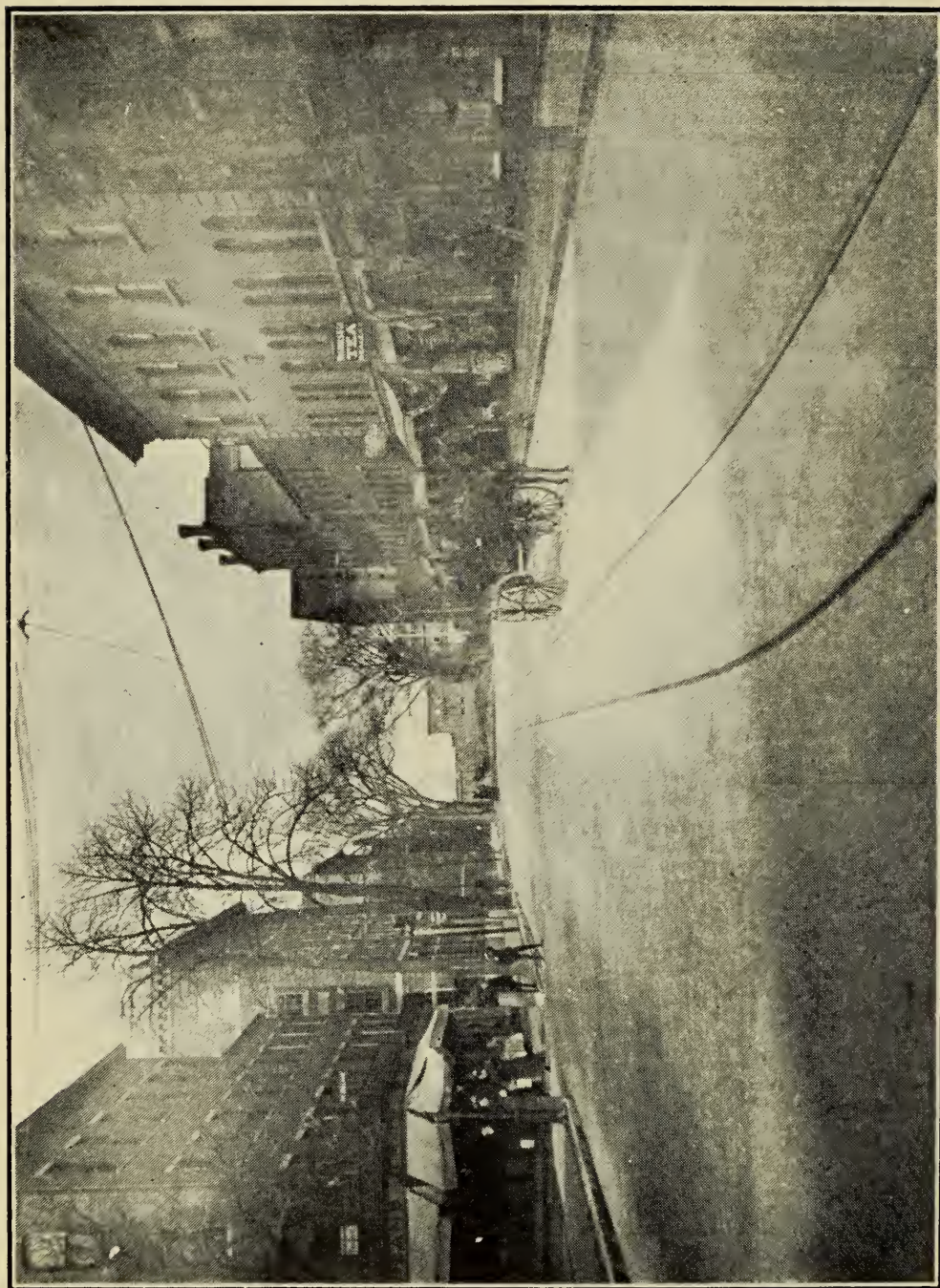
STREETS.	LINEAR FEET.	LABOR.	TEAMING.	TOTAL COST.
Aiken	110	\$ 3 06	\$ 1 25	\$ 4 31
Aiken Avenue.....	3505	145 13	46 00	191 13
Alder	85	15 50	5 00	20 50
Anderson	300	17 44	1 50	18 94
Andover	1212	46 75	16 00	62 75
Apple	105	3 81	1 25	5 06
Autumn	780	40 12	8 25	48 37
Avon	80	7 57	1 75	9 32
Beacon.....	600	28 37	11 00	39 37
Billerica	2069	241 98	91 00	332 98
Birch	960	120 01	52 00	172 01
Bishop	323	23 28	11 25	34 53
Blossom	973	36 62	13 50	50 12
Boisvert.....	600	66 50	14 00	80 50
Bowden	477	38 50	11 00	49 50
Boylston	528	58 25	27 00	85 25
Brown	317	14 21	1 75	15 96
Carlisle.....	1289	74 62	28 50	103 12

CINDER SIDEWALKS—Continued.

STREETS.	LINEAR FEET.	LABOR.	TEAMING.	TOTAL COST.
Chelmsford	2787	\$ 84 94	\$ 26 00	\$110 94
Clark Road	835	107 42	17 38	124 80
Clifford	50	4 81	1 38	6 19
Connell	345	10 78	4 50	15 28
Colonial Avenue	1240	78 97	18 44	97 41
Crawford	460	15 87	5 00	20 87
D	700	14 25	4 00	18 25
Davenport.....	380	21 09	6 37	27 46
Ellis Avenue	100	11 25	3 75	15 00
Epping.....	1149	68 82	14 75	83 57
Essex	235	10 69	3 75	14 44
Eustis Avenue	300	20 62	8 00	28 62
Fairmount.....	610	39 50	18 00	57 50
First	586	29 49	9 00	38 49
Florence Avenue	546	24 71	10 50	35 21
Forrest.....	600	26 50	15 75	42 25
Foster	505	22 34	4 81	27 15
Gibson	300	13 12	2 50	15 62

CINDER SIDEWALKS—Continued.

STREETS.	LINEAR FEET.	LABOR.	TEAMING.	TOTAL COST.
Gorham	2831	\$224 94	\$60 00	\$284 94
Hildreth	1325	44 15	11 00	55 15
Holyrood Avenue ...	40	2 28	79	3 07
Houghton	252	17 25	4 00	21 25
Hovey	306	19 13	5 50	24 63
Lawrence	1376	172 54	70 75	243 29
Lincoln	572	21 49	9 84	31 33
Liberty	720	39 28	16 25	55 53
London	1388	75 99	22 82	98 81
Ludlam	875	26 75	9 50	36 25
Lundberg	200	11 56	1 00	12 56
Maple	990	19 38	7 50	26 88
Manchester	375	13 75	6 00	19 75
May	375	11 44	4 50	15 94
Meadow Road	575	32 50	14 00	46 50
Methuen	175	9 88	4 00	13 88
Moody	1535	97 09	27 37	124 46
Nelson Avenue	300	24 06	6 87	30 93



HASSAM PAVEMENT, JOHN STREET.

CINDER SIDEWALKS—Continued.

STREETS.	LINEAR FEET.	LABOR.	TEAMING.	TOTAL COST.
New Moody	217	\$ 14 00	\$ 4 00	\$ 18 00
Norcross	295	22 78	10 13	32 91
Oakland	375	13 14	2 50	15 64
Pawtucket	350	23 91	5 63	29 54
Perry	900	44 32	7 00	51 32
Phoenix	300	16 74	4 81	21 55
Pine	775	72 51	12 50	85 01
Plain	925	52 50	10 00	62 50
Pond	50	4 37	2 00	6 37
Queen	50	3 84	1 75	5 59
Rea	1532	161 37	75 00	236 37
School	130	5 62	1 00	6 62
Seventh	350	22 76	6 50	29 26
Short	840	28 13	5 00	33 13
Sidney	120	14 75	8 00	22 75
Starbird	135	19 30	6 25	25 55
Stevens	250	15 75	6 56	22 31
Stromquist Avenue . .	267	14 44	4 13	18 57

CINDER SIDEWALKS—Continued.

STREETS.	LINEAR FEET.	LABOR.	TEAMING.	TOTAL COST.
Sycamore	370	\$ 35 00	\$ 16 00	\$ 51 00
Talbot (South Lowell)	1491	136 88	61 00	197 88
Tolman Avenue	950	66 09	26 00	92 09
Victoria	66	4 81	1 37	6 18
Westford	1240	87 87	25 25	113 12
West Sixth	140	20 82	3 00	23 82
West Forrest	600	66 38	16 25	82 63
White.....	75	3 77	88	4 65
Winthrop Avenue ...	450	16 38	7 00	23 38
Woodward Avenue ..	490	15 88	5 00	20 88
Wood	1162	39 55	17 75	57 30
	55,146	\$3,494 01	\$1,149 83	\$4,643 84

NEW SIDEWALKS.

STREETS.	LOCATION.	LINEAR FEET.	LABOR.	EDGESTONE.	SQ. YDS. CONCRETE.	CONCRETE.	TOTAL COST.
Alder	East side, from E. Merrimack St. to Stackpole St.	449.1	\$ 62 89	\$ 171 31			\$ 234 20
Astor	South side, from Sherman St., westerly	236.7	44 98	82 84			127 82
Astor	North side, from Hanks St., westerly	235.5	30 62	86 03			116 65
Autumn	Both sides, from Maple St. to Blossom	1051.6	147 23	392 45			539 68
Boisvert	Both sides	959.8	106 13	346 64			452 77
Burgess	South side, in front premises Nos. 30 and 32	55.6	8 34	19 46	60.9	\$ 30 45	27 80
Burtl.	East side, in front premises Ethan A. Smith						30 45
Cabot	Both sides, from bridge over northern canal to Hall St.						
Cheever	South side, in front premises Nos. 200, 202 & 230	32.0	10 08	14 80	536.4	268 20	293 08
East Merrimack	South side, in front premises E. A. McQuade	175.8	34 16	62 53	80.0	40 00	136 69
Eighth Ave.	Both sides, in front premises Alonzo A. Vining and S. J. Richardson	129.0	19 35	45 15			64 50
Ennell	Both sides, from Lakeview Ave. to W. Sixth St.	102.4	12 29	35 84			48 13
Ford	East side, from Aiken St., northerly	270.5	48 70	105 38			154 08
Fort Hill Ave.	West side, from Sherman St., northerly	208.9	22 88	76 59	41.1	20 55	20 55
Fourth Ave.	Both sides, from Mammoth Road to Mt. Grove St.						99 47
Genoa Ave.	Both sides, from Moody St. to Sarah Ave.	669.2	113 77	248 31	625.4	312 70	312 70
Grand	West side, from Chelmsford St., northerly	129.6	22 04	45 36	83.7	41 85	362 08
Hovey	South side, in front premises Henrietta Crowthers				39.3	19 70	19 70
London	Both sides, from Autumn St. to Border St.	691.6	89 90	242 06			331 96
Maple	South side, from Gorham St. to Autumn St.	926.3	120 42	327 84			448 26
Methuen	North side, from Humphrey St., easterly	99.2	19 85	34 72	57.9	28 95	83 52
Mt. Hope	North side, in front premises John Meehan and Mary A. Murphy	79.2	17 00	24 50			41 50
Parkview Ave.	East side, from Hovey St. to Mansur St.				443.5	221 75	221 75
Pine	North side, from Stevens St. to Robbins St.	383.1	65 13	134 08			199 21
South Highland.	South side, from Thorndike St., easterly	491.6	93 24	175 51	284.4	142 20	410 95
Twelfth	Both sides, from July St., westerly				99.9	49 91	49 91
Tyler Park and Davenport St. West.	South side, in front premises Carrie A. Scribner	203.3	40 67	72 59			113 26
Warwick	Both sides, from Shaw St. to B St.	822.8	139 88	291 51			905 79
West Sixth	South side, from Jewett St. to sidewalk near Coburn St.						
West Sixth	Both sides, from Lilley Ave. to Ennell St.	938.6	168 96	338 99	948.8	474 40	507 95
West Sixth	West side, from Ennell St., southerly						
		9341.4	\$1,438 51	\$3,374 49	3301.3	\$1,650 66	\$6,463 66

HIGHWAYS AND STREETS.

TABLE SHOWING AMOUNT OF WORK DONE YEARLY FROM THE YEAR 1900 TO 1907.

DESCRIPTION.	1900.	1901.	1902.	1903.	1904.	1905.	1906.	1907.
Macadam,	69,220	36,476	55,905	50,275	54,537	58,977	38,869	38,638
Streets graded,	43,712	53,400	47,965	23,347	36,315	44,967	39,875	7,975
Curbings, new,	9,767	11,052	13,151	12,980	12,128	5,285	1,646	10,123
Curbings, relaid,	6,987	6,965	16,696	17,735	8,276	8,980	9,638	11,257
Gutters, new,	13,520	10,682	24,791	15,810	13,638	11,511	14,335	11,497
Gutters, relaid,	1,465	3,273	1,395	228	5,106	1,738	1,778	4,460
Cinder sidewalks,	51,478	45,346	92,262	101,480	42,190	33,527	39,652	55,146
Paving,	12,867	1,843	416	555	444	63	304	
Crosswalks,	509	540	2,215	2,199	1,328	1,207	1,166	955
Crosswalks relaid,	702	2,098	2,193	2,583	1,451	246	1,232	1,830
Streets accepted,	0.78	0.38	1.04	1.43	0.62	1.89	4.17	0.49
Relaying brick sidewalks,	481	573	3,216	3,820	2,729	2,479	2,535	711
New walls,	1,580	210	412	282	936	291	528	490
New catch basins,	274	96	102	27	53	56	24	39
Top-dressing gravel streets,							5,542	
Grading streets, cinders,							2,205	7,698
Top-dressing macadam,							41,747	
Repairing cinder sidewalks,							5,780	
Hassam pavement,								3,408
Granite pavement,								2,122
Hassam concrete base,								1,780
Paving relaid,	3,905	5,500	6,827	6,600	8,423	10,992	574	

HASSAM PAVEMENT.

STREETS.	LOCATION.	LINEAR FEET.	SQUARE YARDS.	PAVING.	MATERIAL.	LABOR.	TEAMING.	TOTAL COST.
John Paige ...	From Merrimack St. to Paige St. From John St. to Bridge St.	350.0 400.0	1,753.8 1,634.3	Labor Police Advertising Coal Engineering Crushed stone Sand Cement Royalty, supervision etc.	\$ 37 80 40 31 33 76 1,448 88 15 90 962 05 1,374 56	\$1,515 35 40 62	\$469 50	
		750.0	3,408.1	REGULATING STREET. New edgestone..... Resetting edgestone ... Relaying crossings ... Paving driveway Repairing sidewalks ... Repairing catch basins	\$ 59 45 145 84	\$ 33 39 106 88 34 90 23 00 16 43	\$ 150	\$ 421 39
					\$205 29	\$214 60	\$ 1 50	\$6,360 12

GRANITE BLOCK PAVING ON HASSAM CONCRETE FOUNDATION
LAID ON CENTRAL STREET, FROM MERRIMACK STREET TO NEAR CANAL BRIDGE.

DESCRIPTION.	LINEAR FEET.	SQUARE YARDS.	LABOR.	TEAMING	MATERIAL.	TOTAL COST.
PAVING.						
Labor	478.0	2,122.5	\$3,003 86	\$398 00		
Teaming			33 00			
Police						
Sand					\$206 00	
Cement					737 56	
Paving blocks					2,547 22	
Engineering					119 60	
Coal					7 41	
Crushed stone					552 96	
Gasoline and oil					7 90	
Royalty					855 44	
	478.0	2,122.5	\$3,036 86	\$ 398 00	\$5,034 09	\$8,468 95
REGULATING STREET.						
New edgestone	165.0		\$ 24 75			
Resetting edgestone	78.0		9 63			
Relaying brick sidewalk		180.0	72 66		\$21 00	
Relaying crossings	72.0		46 11			
Repairing crossings			19 97		46 77	
Repairing catch basins						
	315.0	180.0	\$173 12		\$67 77	\$ 240 89
						\$8,709 84

SUNDRIES.

DESCRIPTION.	LABOR.	TEAMING.	STOCK.	TOTAL COST.
Building bulkheads	\$ 21 30			\$ 21 30
Crushed stone sidewalks	48 16	\$ 14 50	\$ 97 20	159 86
Cleaning steam drills	16 00			16 00
Filling, Perry Street	646 99	156 45		803 44
Fences	111 49		75 26	186 75
Lowering driveways	51 15	3 87		55 02
Moving sleds	66 82	7 00		73 82
Moving fence	17 00			17 00
Opening gravel banks	209 00	43 00		252 00
Paving driveways	23 00			23 00
Piling sand in yard	118 00			118 00
Rolling streets	56 66			56 66
Repairing cinder sidewalks	24 13	6 00		30 13
Repairing steam rollers	22 43			22 43
Stone walls	593 67	25 00	472 50	1,091 17
Sanding sidewalks	633 18	172 25		805 43
Setting stone bounds	18 10	2 00	14 00	34 10
Storm guards	115 68	17 00		132 68
Screening sand	25 38			25 38
Teaming sand	811 66	420 00		1,231 66
Teaming stone	147 19	55 50		202 69
Teaming cobblestones	470 37	227 50		697 87
Top-dressing cinder sidewalks	13 25	4 00	28 60	45 85
Setting stone steps	28 84	1 63		30 47
	\$4,289 45	\$1,155 70	\$687 56	\$6,132 71

PERMITS ISSUED IN 1907.

DESCRIPTION.	Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
Sewer Connections	1		14	31	29	22	28	21	23	29	15	8	221
Building Purposes	4	5	8	5	10	7	6	8	5	9	3	4	74
Street obstructions	1	1	2	9	10	5	8	2	4	5	6	1	54
Street openings, W. W. Dept.	11	16	16	32	54	28	22	47	34	26	20	17	323
Lowell Gas Light Corporation,													
For repairing pipe	2	2	4	2	5	7	5	4	3	3	7	2	46
" supply pipe			4	39	40	31	44	27	22	38	34	12	291
" " to lamp posts			3	7	7				8	1	1	5	32
" extension of mains				5	5	5	9	4	8	8	8	1	53
Lowell Electric Light Corporation,													
For pole locations	8	1		13	8	37	11	8	14	6	14	4	129
" conduits			1	6	2			1					10
New England Telephone Company,													
For pole locations	4	3	12	14	4	11	32	21	8	8	8	2	127
" conduits		1	6	6	3	8	22	15	4	11	18	1	95
	31	29	70	174	177	161	187	158	133	144	134	57	1455

RECAPITULATION.

TABLE SHOWING SOURCE OF REVENUE, EXPENDITURES AND WORK DONE BY THE STREET DEPARTMENT.

REVENUE.		EXPENDITURES.	
Received from regular appropriation	\$150,000 00	For Salaries	\$ 4,000 00
" sundry departments for labor and material furnished		" Yard Labor	12,189 05
" appropriation for Perry St. extension ..	15,363 42	" Sundries (hills)	80,611 81
" appropriation for Ina St. extension	957 93	" Repairing streets	3,185 64
" appropriation for paving Moody St.	200 00	" Repairing gutters	74 29
" appropriation, new sidewalks	109 75	" Cinder sidewalks	3,494 01
" appropriation for macadamizing	10,000 00	" New edgestones	1,456 07
" appropriation for paving Central St.	25,000 00	" Paving gutters	1,467 09
" appropriation for Sewer Construction ..	9,500 00	" Repairing sidewalks	55 88
	437 59	" Resetting edgestones	1,430 36
		" Repairing macadam	109 64
		" Relaying sidewalks	177 74
		" Repairing gutters	499 53
		" Grading, gravel	5,293 49
		" " cinders	1,607 31
		" Macadamizing	12,863 83
		" New crossings	356 30
		" Sundries	1,966 41
		" Relaying crossings	555 56
		" Repaving	1,073 12
		" Grading sidewalks	80 48
		" Repairing bridges	140 58
		" Repairing crossings	86 54
		" Repairing cinder sidewalks	24 13
		" Boulevard	675 78
		" Building fences	111 49
		" Setting boundstones	18 10
		" Lowering driveways	51 15
		" Ledge	12,725 87
		" Removing snow	20,907 69
		" Cleaning streets	32,922 03
		" Sanding streets	633 18
		" Rolling streets	56 66
		" Teaming sand	811 66
		" Cleaning ledge	853 16
		" Building walls	593 67
		" Paving	3,162 11
		" Repaving driveway	23 00
Total revenue	\$211,568 69		
Balance to General Treasury Fund	\$3,578 68		
" " 1908	1,645 60		
			5,224 28
			\$206,344 41

STREET CATCH BASINS CLEANED IN 1907.

STREETS.	NUMBER LOADS REMOVED.	COST.
A	11	\$ 10 70
Adams	11	11 45
Abbott	4	4 51
Agawam	8	8 68
Aiken Avenue.....	18	18 43
Aiken	38	41 89
Albion	9	9 33
Andrews	12	13 07
Andover	62	62 39
Appleton	27	29 89
Arlington.....	2	2 24
Arch	16	16 01
Astor	3	3 00
Ash.....	2	2 00
Auburn	2	2 00
Autumn	3	2 98
B	16	16 53
Batchelder's Court.....	8	9 61

STREET CATCH BASINS CLEANED IN 1907—Continued.

STREETS.	NUMBER LOADS REMOVED.	COST.
Barclay	8	\$ 8 50
Bassett	3	3 09
Bartlett	13	12 28
Beech	10	9 95
Belrose Avenue	2	1 75
Belmont Avenue	2	2 00
Bellevue	2	1 76
Belmont	2	2 05
Beacon	5	5 19
Billings	5	4 21
Blodgett	2	1 97
Blossom	19	18 99
Bleachery	5	4 62
Border	4	3 75
Branch	36	36 56
Brookside	2	2 29
Brewers Court	8	7 69
Bridge	48	51 27

STREET CATCH BASINS CLEANED IN 1907—Continued.

STREETS.	NUMBER LOADS REMOVED.	COST.
Broadway	65	\$ 69 94
Burt	4	4 10
Burnside	2	2 00
Burns	1	98
Butler Avenue	12	13 91
Butterfield	8	10 29
Bye	3	2 50
C	13	14 31
Carlton	4	3 97
Cambridge	6	6 50
Canton	12	11 75
Carter	21	19 59
Carlisle	3	3 50
Cady	3	3 36
Cabot	7	7 38
Cedar	11	13 78
Central	92	103 30
Chase	2	1 70

STREET CATCH BASINS CLEANED IN 1907—Continued.

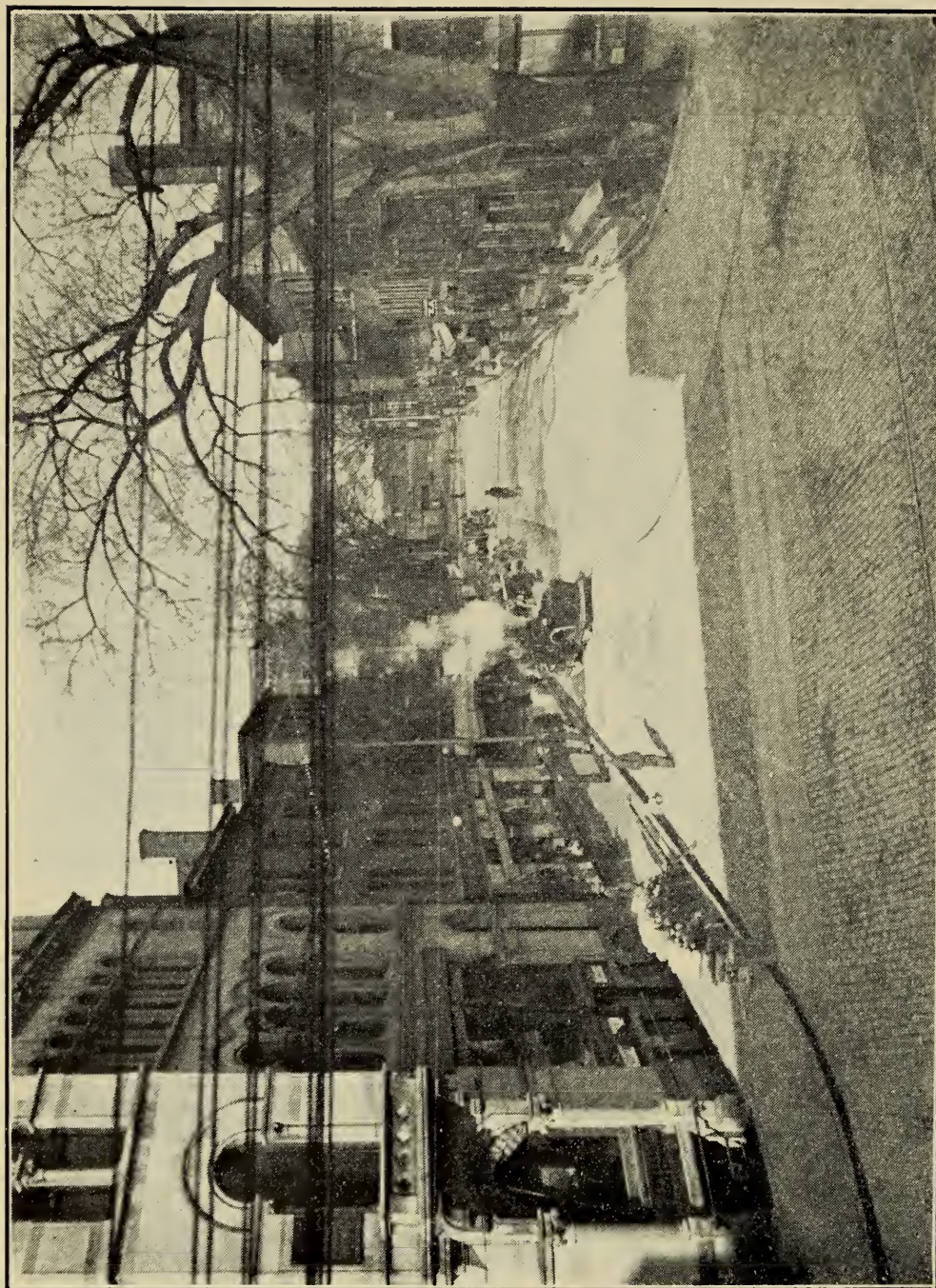
STREETS.	NUMBER LOADS REMOVED.	COST.
Charles.....	11	\$ 13 23
Chelmsford	85	87 66
Chestnut	13	13 29
Cheever	9	11 81
Church	16	17 21
Chapel	37	41 16
Chambers	11	11 37
City Avenue	6	6 83
Clithero	4	4 71
Colonial Avenue	16	17 54
Clark	6	5 97
Claire	5	6 55
Coral	11	10 90
Concord	23	23 98
Coburn.....	21	23 12
Common	13	13 50
Cosgrove	7	8 05
Congress	5	4 92

STREET CATCH BASINS CLEANED IN 1907—Continued.

STREETS.	NUMBER LOADS REMOVED.	COST.
Crawford	3	\$ 3 00
Cross	29	30 17
Crosby	19	19 66
Cushing	18	23 52
D	12	11 72
Dane	2	2 05
Davenport	7	7 22
Daly	8	8 42
Davidson	7	7 00
Decatur Avenue	10	12 48
Dover	4	4 00
Dodge	6	6 42
Durant	11	12 39
Dutton	5	5 97
Dummer	10	11 79
Eaton	7	87
East Merrimack	36	36 60
East Pine	4	3 97

STREET CATCH BASINS CLEANED IN 1907—Continued.

STREETS.	NUMBER LOADS REMOVED.	COST.
Edson	2	\$ 2 05
Eighth	2	1 96
Eighteenth	6	5 90
Eleventh	4	4 53
Elliot	4	3 93
Elm	4	4 00
Ellsworth	4	4 48
Ennell	24	23 76
Essxe	6	6 92
Everett	8	7 92
Exeter	9	9 84
Fairview Avenue	4	4 00
Fay	2	2 24
Fairmount.....	19	19 51
Fayette	22	21 20
Farnham	5	6 18
Fenwick.....	5	7 88
Fisher	3	2 95



LAYING HASSAM PAVEMENT ON JOHN STREET.

STREET CATCH BASINS CLEANED IN 1907—Continued.

STREETS.	NUMBER LOADS REMOVED.	COST.
Fifth	2	\$ 2 00
First	6	6 14
Fifth Avenue	9	9 84
Florence Avenue	3	3 00
Fletcher	28	30 01
Floyd	7	6 97
Forrest	2	1 96
Foster	2	1 75
Fourth	5	4 35
Fourth Avenue	17	17 98
Ford	5	5 47
Fremont	16	15 69
Franklin	6	9 28
Fulton	3	3 50
Gates	4	3 92
Garnet	4	4 48
Gershom Avenue	14	16 62
Genoa Avenue	6	6 50

STREET CATCH BASINS CLEANED IN 1907—Continued.

STREETS.	NUMBER LOADS REMOVED.	COST.
George	3	\$ 2 88
Gibson	2	2 00
Glidden Avenue	4	3 50
Gorham	144	165 59
Green	3	3 00
Grace	6	6 93
Grove	19	20 59
Grand	26	27 97
Hall	9	10 58
Hancock Avenue	6	6 36
Hastings	6	5 91
Hale	38	38 33
Harrison	6	6 46
Hanks	12	11 62
Hampshire	11	11 12
Harvard	13	12 69
Hanover	2	1 75
High.....	33	33 88

STREET CATCH BASINS CLEANED IN 1907—Continued.

STREETS.	NUMBER LOADS REMOVED.	COST.
Highland	10	\$ 10 19
Howe	2	2 00
Hoyt Ave.	2	2 18
Howard	62	60 27
Humphrey	9	8 45
Huntington	5	5 36
Hutchinson	7	7 33
Hudson	10	9 84
Hurd	6	6 74
Jackson	16	16 20
Jewett	6	6 50
Jenness	4	3 66
John St. Avenue	3	2 69
John	7	7 65
Keene	3	3 54
Kinsman	15	15 41
Kirk	8	10 26
Lamb	2	2 27

STREET CATCH BASINS CLEANED IN 1907—Continued.

STREETS.	NUMBER LOADS REMOVED.	COST.
Lane.....	8	\$ 9 33
Lagrange	5	5 62
Laurel	4	3 72
Lawrence.....	101	78 74
Lakeview Avenue	17	17 39
Leverett	2	2 00
Lewis	1	1 00
Lee	3	3 00
Livingston.....	1	1 14
Livingston Avenue	11	13 34
Liberty	47	51 15
Lincoln	57	58 32
Linden	7	7 58
Loring	14	13 84
London	20	20 18
Lundberg	8	8 46
Ludlam	11	10 18
Lyon	12	12 19

STREET CATCH BASINS CLEANED IN 1907—Continued.

STREETS.	NUMBER LOADS REMOVED.	COST.
Marginal	3	\$ 4 77
Marion	6	6 75
Mammoth Road	16	20 94
Market	13	14 92
Marshall	20	23 19
Main.....	12	10 88
Maple	5	5 90
Manchester	4	3 70
Mansur	10	10 00
Merrill	2	1 96
Merrimack.....	40	45 02
Meadowcroft	9	12 00
Methuen	14	14 68
Midland	2	1 97
Middle	2	2 32
Middlesex	161	168 90
Mill.....	2	2 34
Moody	63	74 83

STREET CATCH BASINS CLEANED IN 1907—Continued.

STREETS.	NUMBER LOADS REMOVED.	COST.
Moore.....	21	\$ 20 83
Mt. Washington	3	3 93
Mt. Grove	2	1 97
Mt. Hope.....	5	6 89
Mt. Vernon	47	54 63
Myrtle	10	11 02
Nineteenth	7	6 65
Nesmith.....	14	14 41
Newhall	6	8 00
Nichols	14	14 94
Ninth	3	2 94
Noble's Court	1	1 05
North	7	7 87
Oak	9	9 00
Oliver.....	9	10 11
Osgood.....	6	6 45
Otis	24	24 88
Pawtucket.....	22	22 45

STREET CATCH BASINS CLEANED IN 1907—Continued.

STREETS.	NUMBER LOADS REMOVED.	COST.
Palmer	1	\$ 1 31
Park	2	1 97
Parkview Avenue	5	4 96
Paige	13	18 13
Parker	6	6 38
Perry	32	32 69
Phillips	5	5 00
Pihl	1	1 12
Pine	22	23 56
Plain	11	11 34
Pleasant	4	3 95
Powell	30	28 85
Porter	4	5 25
Pollard Avenue	3	3 50
Pollard	4	4 00
Princeton	14	12 74
Prescott	16	19 78
Puffer	4	3 97

STREET CATCH BASINS CLEANED IN 1907—Continued.

STREETS.	NUMBER LOADS REMOVED.	COST.
Queen	8	\$ 7 95
Race	2	1 50
Railroad	8	9 24
Read	21	20 62
Riverside	23	22 20
Robbins	2	2 05
Roberts	2	1 75
Rock	10	11 06
Rogers	59	57 32
Sargent	3	3 94
Salem	25	26 14
Shaffer	6	6 08
School	77	81 39
Second	6	7 00
Shaw	16	15 61
Sherman	7	8 00
Sheldon	14	13 59
Shattuck	3	3 41

STREET CATCH BASINS CLEANED IN 1907—Continued.

STREETS.	NUMBER LOADS REMOVED.	COST.
Sixth Avenue	2	\$ 2 24
Sixth	27	25 10
Smith	29	27 69
Somerset	2	2 00
South Loring	6	7 23
South Whipple	5	5 55
South Highland	6	7 63
South	50	53 51
Stedman	2	2 24
Stevens	39	42 71
Stackpole	8	7 25
Stanley	10	11 66
Starbird	5	5 70
Suffolk	39	42 12
Summer	32	34 97
Sutherland	2	2 00
Swan Avenue	1	88
Swift	8	9 01

STREET CATCH BASINS CLEANED IN 1907—Continued.

STREETS.	NUMBER LOADS REMOVED.	COST.
Talbot	5	\$ 5 00
Tanner	11	10 70
Tenth	35	35 26
Third	47	48 01
Thirteenth.....	6	6 19
Third Avenue	10	11 50
Thorndike	107	114 37
Tilden	3	3 56
Tremont	3	3 50
Tucker	3	3 39
Twelfth	10	9 98
Tyler	12	11 00
Union.....	19	21 73
Varnum	4	4 51
Varnum Avenue.....	7	7 56
Varney.....	6	6 45
Vernon.....	2	2 27
Ware	13	13 00

STREET CATCH BASINS CLEANED IN 1907—Continued.

STREETS.	NUMBER LOADS REMOVED.	COST.
Wachusett.....	2	\$ 2 30
Watson	3	3 68
Walker.....	39	38 73
Warwick	13	12 45
Ward	14	17 74
Wannalancit	9	9 82
Walnut	3	4 50
Warren	5	4 66
Wamesit	15	15 38
Wentworth Avenue	19	17 78
West	3	3 50
West Adams	4	4 24
Western Avenue	5	8 15
Westford	71	69 76
West Third	16	19 25
West Fourth	14	15 32
West Fifth	2	1 75
West Sixth	9	9 57

STREET CATCH BASINS CLEANED IN 1907—Continued.

STREETS.	NUMBER LOADS REMOVED.	COST.
West Ninth	3	\$ 3 50
West Eleventh	2	1 96
White.....	21	20 96
Whipple.....	24	27 03
Willow	3	3 00
Willard	2	2 00
Williams	2	1 97
Wilder	50	48 04
Winthrop	4	4 09
Worthen	13	13 49
Wyman	11	11 96
	4,335	\$4,572 62

SEWER MAINTENANCE.

REPAIRING BASINS.

STREETS.	LABOR.	STOCK.	TOTAL COST.
Andover	\$ 13 99	\$ 5 15	\$ 19 14
Alder	2 76	17 28	20 04
Bridge	8 75	1 00	9 75
Brown	2 40		2 40
Crosby	7 38	3 58	10 96
Chelmsford	6 94	18 29	25 23
Cedar	9 89	1 65	11 54
Carlisle.....	2 88		2 88
Central.....	23 07	25 30	48 37
Concord	24 86	53 88	78 74
Ellsworth	8 00	19 18	27 18
East Merrimack	3 50	16 40	19 90
Eighteenth	2 95		2 95
Gorham	16 81	4 99	21 80
High.....	5 25		5 25
Jewett	3 59		3 59
Lawrence.....	3 29		3 29

SEWER MAINTENANCE.

REPAIRING BASINS—Continued.

STREETS.	LABOR.	STOCK.	TOTAL COST.
Lakeview Avenue	\$ 1 75		\$ 1 75
Lewis	1 50	\$ 6 00	7 50
London	2 00	75	2 75
Middle	98		98
Middlesex	28 86	7 65	36 51
Meadowcroft	4 67	13 50	18 17
Mammoth Road	3 50		3 50
Market	5 50		5 50
Newhall	7 87	1 75	9 62
Plain	1 11		1 11
Pawtucket	5 80	4 94	10 74
Pine	8 61	40	9 01
South	3 50	13 50	17 00
Stackpole	3 50		3 50
Seventh	2 65		2 65
Thorndike	2 69	15 00	17 69
Warwick	5 96	1 10	7 06

SEWER MAINTENANCE.

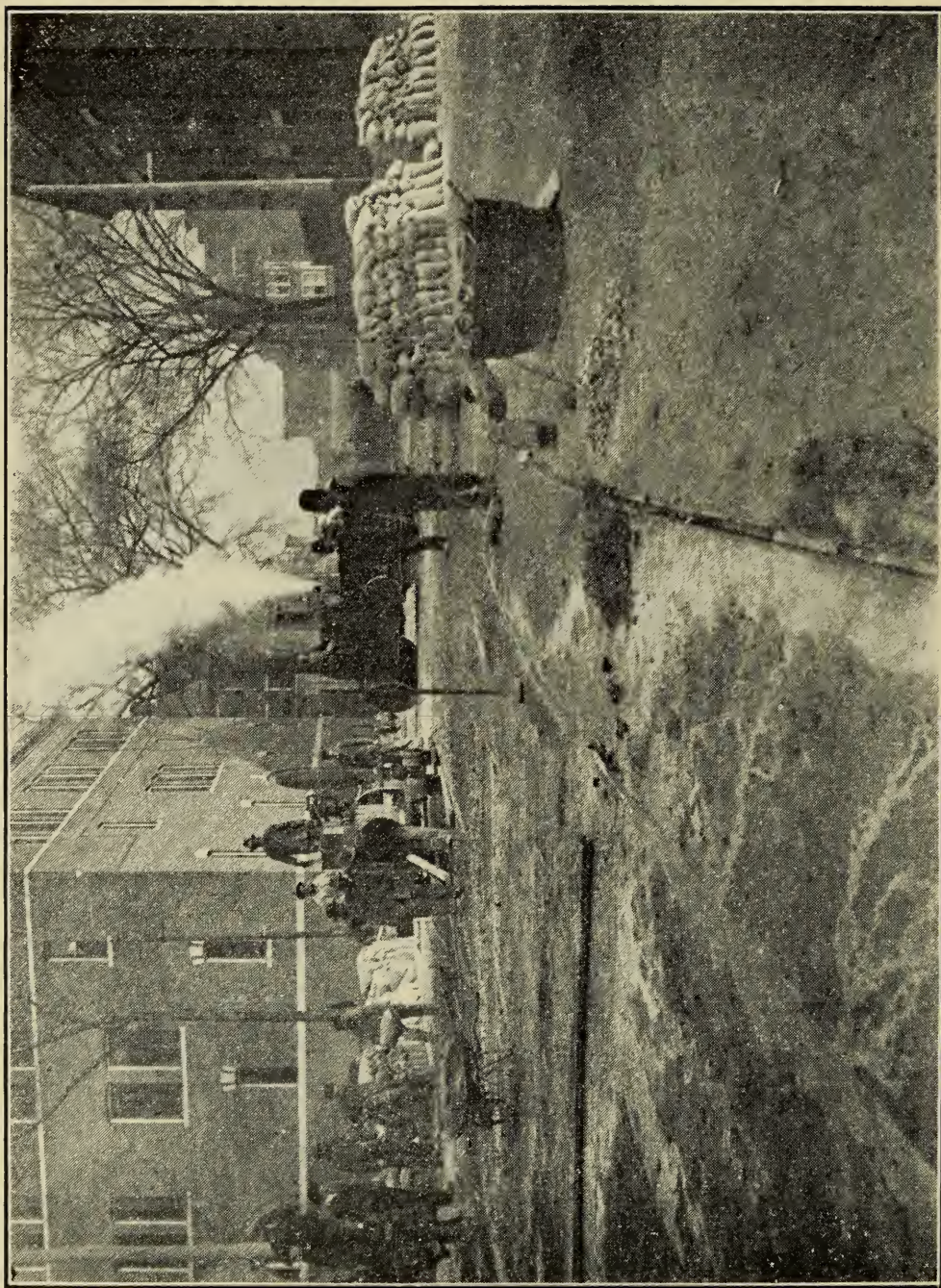
REPAIRING BASINS—Continued.

STREETS.	LABOR.	STOCK.	TOTAL COST.
Westford	\$ 1 27	\$ 83	\$ 2 10
Wachusett.....	13 77	4 57	18 34
	\$251 80	\$236 69	\$488 49

SEWER MAINTENANCE.

REPAIRING MANHOLES.

STREETS.	LABOR.	STOCK.	TOTAL COST.
Andover	\$ 11 48	\$ 14 55	\$ 26 03
Alder	3 50		3 50
Beacon	3 00	2 00	5 00
Bridge	4 35		4 35
Boisvert	3 80	2 10	5 90
Church	2 00	25	2 25
Central	29 78	39 73	69 51
Concord	12 24	5 74	17 98
Clitheroe	2 61		2 61
Eighth	2 71		2 71
Eighteenth	2 61		2 61
Fairview	4 63	1 40	6 03
First	5 24	4 49	9 73
Gorham	8 47	1 10	9 57
George	1 10		1 10
Humphrey	20 07	8 35	28 42
Jewett	87		87



LAYING HASSAM PAVEMENT, JOHN STREET.

SEWER MAINTENANCE.

REPAIRING MANHOLES—Continued.

STREETS.	LABOR.	STOCK.	TOTAL COST.
Jefferson	\$ 15 50	\$ 13 73	\$ 29 23
Kinsman	2 50	1 40	3 90
Mammoth Road	14 23	20 19	34 42
Middlesex	2 00		2 00
Perry	5 26	3 45	8 71
Pihl	2 27	75	3 02
Pine	8 57	2 40	10 97
Queen	3 57		3 57
Rogers	2 93		2 93
Stackpole	7 00		7 00
Thorndike	85		85
Tenth	2 36		2 36
Tilden	28 23	13 03	41 26
Wilder	3 71		3 71
Willard	6 13	2 40	8 53
West Ninth	1 05		1 05
	\$224 62	\$137 06	\$361 68

SEWER MAINTENANCE.

NEW MANHOLES.

STREETS.	LABOR.	STOCK.	TOTAL COST.
Third Avenue	\$13 86	\$30 77	\$44 63
Tilden	15 76	27 50	43 26
	\$29 62	\$58 27	\$87 89

REPAIRING TRACK BASINS.

STREETS.	LABOR.	STOCK.	TOTAL COST.
Beech	\$ 7 87	\$ 7 42	\$15 29
Bridge	8 21	8 96	17 17
Central.....	10 31	17 98	28 29
Lakeview Avenue	7 87	7 25	15 12
	\$34 26	\$41 61	\$75 89

SEWER MAINTENANCE.

CLEANING SEWERS.

STREETS.	COST.
Chelmsford	\$ 10 13
Central.....	2 87
Gorham	5 63
Howard	7 82
Grove	1 97
Liberty	1 42
Marshall	2 27
Marginal	229 16
Pine	4 37
Railroad	10 04
Rogers	2 63
Salem	2 94
Smith	1 59
White.....	7 87
Westford	1 59
	\$292 30

SEWER MAINTENANCE.

FLUSHING SEWERS.

STREETS.	COST.
Batchelder's Court.....	\$ 2 09
Chelmsford	3 50
Clark	87
Davidson	3 95
Ennell	1 07
Fisher	88
Ford	10 50
Grand	1 96
Gershom Avenue	12 03
Howard	1 97
Hildreth	5 72
Lewis	9 55
Middlesex	3 63
Moody	8 00
McIntire	82
North	4 65
Oakland system	8 00

SEWER MAINTENANCE.

FLUSHING SEWERS—Continued.

STREETS.	COST.
Pleasant	\$ 2 62
Perry	60 30
Railroad	8 97
Swan Avenue	2 95
Stanley	5 26
West Fourth	67
Third Avenue	49 99
West Sixth	1 05
	\$211 00

SEWER MAINTENANCE.

REPAIRING SEWERS.

STREETS.	LABOR.	STOCK.	TOTAL COST.
Bridge	\$ 9 64		\$ 9 64
Ennell	5 22		5 22
East Merrimack	1 00		1 00
Humphrey	7 30		7 30
Jewett	13 54		13 54
Jefferson	21 87		21 87
Middlesex	21 00	\$ 5 40	26 40
Pleasant	24 39	33 68	58 07
Railroad	1 75		1 75
Westchester	10 96	8 33	19 29
	\$116 67	\$47 41	\$164 08

SEWER MAINTENANCE.

FLUSHING BASINS.

STREETS.	COST.
Bridge	\$ 3 37
Aiken	8 80
Charles.....	4 39
John Street Avenue.....	4 11
Lenox	3 50
Moody	3 19
Middlesex	5 20
Market	1 53
Princeton	9 25
Powell	1 56
Stevens	2 25
South Canton	2 75
Whipple.....	3 60
Worthen	2 58
Wilder	2 00
	\$58 08

SEWER MAINTENANCE.

TABLE SHOWING TOTAL EXPENDITURES FOR 1907.

DESCRIPTION.	AMOUNT EXPENDED.
Salaries	\$ 2,888 17
Sundries, (Bills)	11,715 06
Cleaning sewers	63 14
Cleaning Marginal sewer	225 16
Cleaning catch basins	4,572 62
Flushing sewers	211 00
Flushing basins	58 08
New manholes	29 62
Opening basins	1,574 26
Repairing culverts	78 72
Repairing track basins	34 26
Repairing sewers	116 67
Repairing catch basins	251 80
Repairing connections	266 79
Repairing manholes	224 62
Sundries	739 35

SEWER MAINTENANCE.

TABLE SHOWING TOTAL EXPENDITURES FOR 1907—Continued.

DESCRIPTION.	AMOUNT EXPENDED.
Work done for other departments	290 60
Yard labor	2,243 88
	\$25,583 80

STREET CATCH BASINS BUILT IN 1907.

STREETS.	LOCATION.			COST.
Alder	East side,	10.	feet south of south line Stackpole Street	Rebuilt \$ 50 16
Alder	West "	8.	" " " Bartlett Street	" 46 74
Andover	Track	31.	" west of east line Butman Road	New 36 90
Cabot	South side,	4.	" west of west line Hall Street	Rebuilt 52 89
Cross	North "	24.	" west of east line Marion Street	" 52 70
Eustis Avenue .	" "	402.	" west of west line Bridge Street	New 63 73
Fort Hill Ave .	East "	5.5	" south of south line Oak Street	" 58 16
Fort Hill Ave .	" "	135.5	" south of south line Moody Street	Repaired 60 87
Gardner Ave .	North "	68.	" east of east line Woodcock Street	New 64 96
Gershom Ave .	East "	7.	" south of south line Moody Street	" 57 03
Gershom Ave .	Track	30.	" north of north line Sherman Street	" 67 45
High	North side,	3.	" west of west line South Street	Rebuilt 23 37
Highland	South "	18.5	" west of west line South Street	New 68 15
Highland				" 78 59

STREET CATCH BASINS BUILT IN 1907—Continued.

SUPERINTENDENT OF STREETS.

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STREETS.	LOCATION.			COST.
John	West side	29.5 feet north of north line Merrimack Street	New	\$63 81
Lawrence	West "	4.5 " south of south line Church Street	Rebuilt	58 05
Lewis	East "	5.5 " south of south line Jefferson Street	New	61 04
Lipton	East "	9. " south of south line Midland Street	"	53 41
Livingston	South "	8. " east of east line Gorham Street	"	65 63
Middlesex	North "	8. " west of west line School Street	Rebuilt	62 91
Middlesex	South "	137. " east of east line Saunders Street	"	63 84
Middlesex	North "	130. " east of east line Saunders Street	"	60 18
Middlesex	North "	7.5 " west of west line Saunders Street	"	63 53
Middlesex	South "	8.5 " east of east line Queen Street	New	60 08
Newhall	East "	4.5 " south of south line Crosby Street	"	57 82
Paige	North "	5. " west of west line Bridge Street	"	57 93
Paige	South "	3.7 " west of west line Bridge Street	Rebuilt	24 10
Perry	East "	195. " south of south line Andover Street	New	61 72

STREET CATCH BASINS BUILT IN 1907—Continued.

STREETS.	LOCATION.		COST.
Perry	West side	195. feet south of south line Andover Street	New \$60 39
Pine	South "	11. " east of east line Gibson Street	" 69 41
Pine	South "	6.5 " west of west line Hawthorn Street	" 73 51
Plain	South "	25.5 " east of east line Tanner Street	" 44 24
Rogers	Track	13. " west of east line Hanks Street	" 26 12
South	West "	28. " northwest from west line Gorham Street	" 112 77
West Sixth ...	North "	15. " west of west line Jewett Street	" 79 63
West Sixth ...	Northeast intersection with Jewett Street		" 81 14
West Sixth ...	North side,	15.5 feet east of east line Lilley Avenue	" 81 56
Wilder	Northwest intersection of Parker Street		" 59 47
Gorham	West side,	143. feet north of north line Suttle Street	" 80 41
Gorham	Track, east track,	143. feet north of north line Suttle Street	" 41 56
Central	West side,	93.5 feet north of north line Market Street	" 46 77
			\$2,452 73

SEWER CONSTRUCTION.

TABLE SHOWING LOANS, RECEIPTS AND AMOUNT EXPENDED IN 1907.

RECEIPTS.		EXPENDITURES.	
Loans	\$45,000 00	Sewers,	
Received from sundry departments		Bourne St.	\$ 1,275 02
for labor and material	655 58	Carlisle St.	767 20
		Davenport St.	349 21
		Exeter and Fisher Sts.	1,277 23
		E. Merrimack St., No. 1	17,090 07
		E. Merrimack St., No. 2	1,178 07
		Florence Ave.	3,976 45
		Gardner Ave.	748 63
		Highland Ave., etc.	1,206 35
		Mammoth Road	2,873 95
		Middlesex St.	1,150 36
		Methuen St.	880 25
		Merrill Ave.	406 15
		Oakland system.	2,091 44
		Pentucket Ave.	1,671 91
		Rose Ave.	639 53
		Warren St.	636 53
		Fourth Avenue	77 85
			<u>\$38,296 20</u>
		Catch basins.	\$ 2,452 73
		Humphrey St., drain	51 27
		Clark Road, repairs	100 95
		Oaklands system, repaving	437 59
		Florence Ave., drain	1,437 99
			<u>\$42,776 73</u>
Expended	\$45,655 58		
	42,776 73		
Balance, Gen. Treas. Fund	\$ 2,878 85		

BRIDGES.

STREETS.	LOCATION.	MATERIAL.	MAINTAINED BY.
Aiken	Merrimack River	Iron	City
Aiken	Northern Canal	Iron	City
Boylston	Western Div. B. & M. R. R.	Wood	Boston & Maine R. R.
Bridge	Merrimack River	Iron	City
Bridge	Eastern Canal	Wood	Props. Locks and Canals
Broadway	Pawtucket Canal	Wood	Props. Locks and Canals
Broadway	Western Canal	Stone	City
Cabot	Northern Canal	Wood	City
Cambridge	River Meadow Brook	Wood	City
Central	Pawtucket Canal	Wood	Props. Locks and Canals
Chelmsford	B. & M. R. R.	Iron	Boston & Maine R. R.
Church	Concord River	Stone	City
Congress	River Meadow Brook	Wood	City
Dutton	Western Canal	Wood	City

BRIDGES—Continued.

STREETS.	LOCATION.	MATERIAL.	MAINTAINED BY.
East Merrimack.....	Eastern Canal	Wood	Props. Locks and Canals
East Merrimack.....	Concord River	Iron and Stone	City
Gorham.....	River Meadow Brook	Wood	City
Hale	B. & M. R. R.	Iron	Boston & Maine R. R.
Hall	Western Canal	Wood	Lawrence Mfg. Co. and Suffolk Mills
Howard.....	River Meadow Brook	Stone	City
Jefferson	Western Canal	Iron	City
Lawrence	Concord River	Wood	City
Lawrence	Wamesit Canal	Wood	Wamesit Power Company
Lincoln	River Meadow Brook	Wood	City
Lundberg	B. & M. R. R.	Iron	City
Market	Merrimack Canal	Wood	City
Market	Western Canal	Wood	City
Merrimack	Merrimack Canal	Stone and Brick	Props. Locks and Canals

BRIDGES—Continued.

STREETS.	LOCATION.	MATERIAL.	MAINTAINED BY.
Merrimack	Western Canal	Wood	Props. Locks and Canals
Moody	Western Canal	Wood	City
Moody	Merrimack River	Iron	City
Newhall	River Meadow Brook	Iron	City
Pawtucket	Northern Canal	Wood	Props. Locks and Canals
Pawtucket	Pawtucket Canal	Wood	Props. Locks and Canals
Plain	River Meadow Brook	Wood	City
Rogers	Concord River	Stone	City
School	Merrimack River	Iron	City
School	Northern Canal	Brick and Stone	Props. Locks and Canals
School	Pawtucket Canal	Wood	Props. Locks and Canals
Suffolk	Northern Canal	Wood	Props. Locks and Canals
Thorndike	Pawtucket Canal	Wood	Props. Locks and Canals
Wilder	B. & M. R. R.	Wood and Iron	B. & M. R. R. and City
Worthen	Western Canal	Wood	City

ASPHALT PAVEMENT.

STREETS.	LOCATION.	YEAR LAID.	COST PER YARD.	LAID BY.	SQ. YARDS.	COST.	TERM OF GUARANTEE.	GUARANTEE EXPIRES.	REPAIRS.							TOTAL COST.
									1900	1902	1903	1904	1905	1906	1907	
Aiken	Cheever St. to Hall St. and Hall St. to Aiken St. Bridge	1898	\$1 97	Dunn Brothers	5,248.94	\$10,340 41	5 years	1903	\$299 60	\$589 45	\$261 00	\$461 89	\$141 05	\$777 86	\$570 54	\$3,101 39
Hall	Aiken St. to Aiken St.	1898	1 97	Dunn Brothers	469.90	925 70	5 years	1903				310 43	89 95	147 96	44 48	592 82
Market	Central St. to Palmer St	1900	2 80	Merrimack Paving Co.	3,379.04	9,462 24	5 years	1905							29 92	29 92
Broadway	Suffolk St. to Walker St	1901-2	2 73	Merrimack Paving Co.	14,719.27	40,183 61	10 years	1912					60 72	411 41	305 26	777 39
Suffolk	Merrimack St. to Broadway	1901	2 73	Merrimack Paving Co.	3,210.06	8,763 46	10 years	1912								
Aiken	Lakeview Ave. to Aiken St. Bridge ..	1902	2 95	Merrimack Paving Co.	2,435.66	7,185 20	10 years	1912								
Charles.....	Central St. to Lawrence St	1902	2 96	Union Paving Co.	2,714.54	8,035 04	10 years	1912								
Kirk	Merrimack St. to Paige St	1902	2 95	Merrimack Paving Co.	1,883.52	5,556 38	10 years	1912								
Paige	Kirk St. to John St	1902	2 95	Merrimack Paving Co.	1,616.86	4,769 74	10 years	1912								
Westford	Loring St. to Wilder St	1902	2 97	Union Paving Co.	3,310.32	9,831 65	10 years	1912								
Moody	Tilden St. to Spalding St	1906	2 69	Barber Asphalt Co.	8,319.87	22,380 45	10 years	1916							3 67	3 67
					47,307.98	\$127,433 88			\$299 60	\$589 45	\$261 00	\$772 32	\$291 72	\$1,337 23	\$953 87	\$4,505 19

ASPHALTINA PAVEMENT.

Charles.....	Central St. to Gorham St	1897	\$2 65	Boston Paving Co.	1,633.76	\$ 4,329 46	5 years	1902								
Gorham	Lowell & A. R. R. to Cosgrove St.....	1898	2 50	Boston Paving Co.	7,710.32	19,275 79	5 years	1903				\$345 65	\$20 65	\$1,045 72	\$276 15	\$1,688 17
Mammoth Road	Fourth Ave. to Eighth Ave.....	1899	2 50	Boston Paving Co.	5,787.82	14,469 55	5 years	1904						102 86		102 86
Suffolk	Adams St. to Broadway	1899	2 50	Boston Paving Co.	2,848.13	7,120 33	5 years	1904							41 65	41 65
Westford	Chelmsford St. to Smith St	1899	2 50	Boston Paving Co.	4,503.46	11,258 66	5 years	1904						315 45	417 67	733 12
Westford	Smith St. to Loring St	1899	2 50	Boston Paving Co.	6,989.00	17,472 50	5 years	1904						510 65	613 76	1,124 41
					29,472.49	\$73,926 29						\$345 65	\$20 65	\$1,974 68	\$1,349 23	\$3,690 21

BITULITHIC PAVEMENT.

[illegible]

HASSAM PAVEMENT.

[illegible]

GRANITE PAVEMENT ON HASSAM CONCRETE BASE

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BRICK PAVEMENT.

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RECAPITULATION

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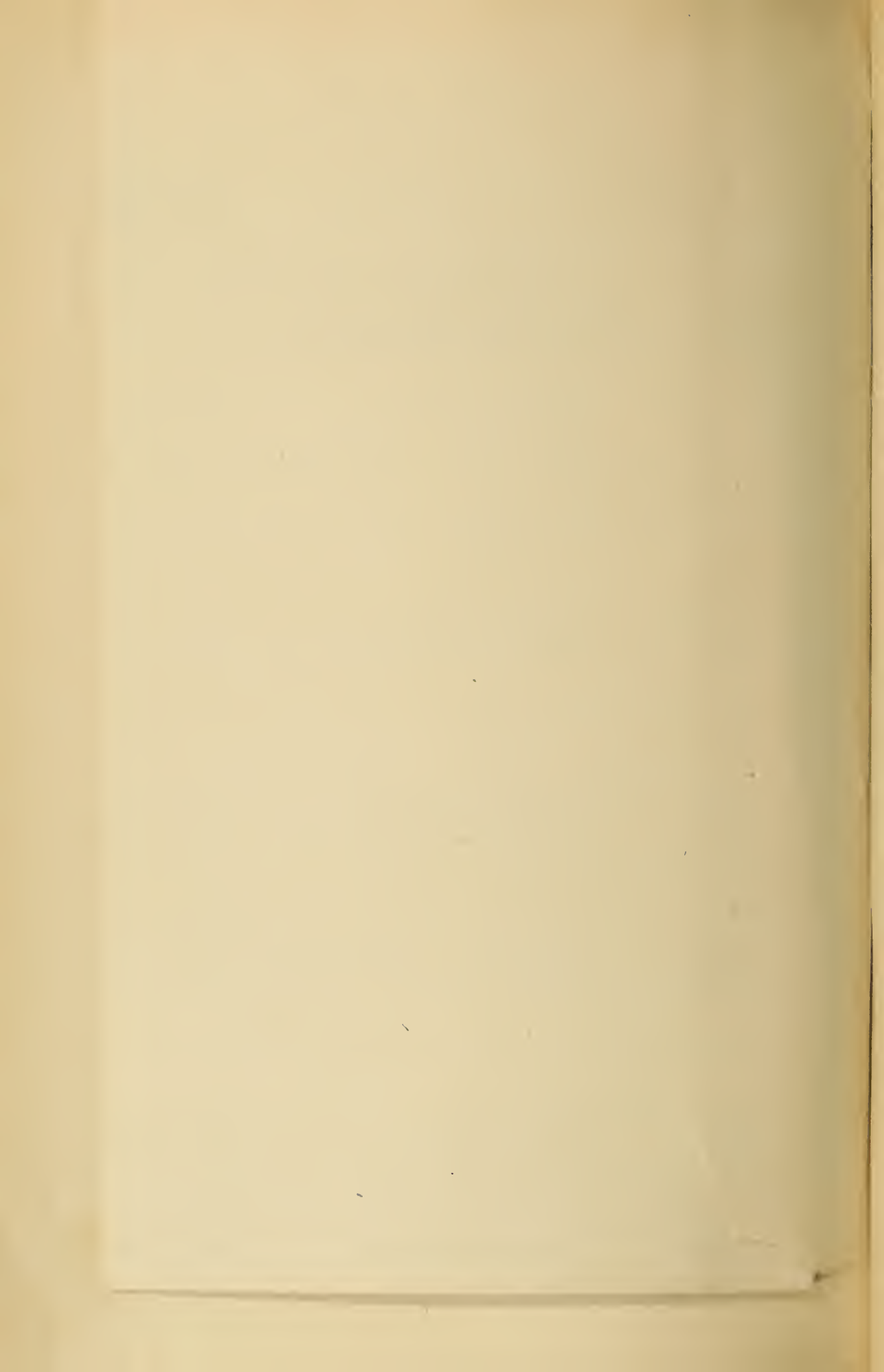


TABLE OF SEWERS BUILT IN 1907.

STREETS.	SIZE AND LENGTH.				MATERIAL.	Cubic Yards Ledge.	Average Depth.	Manholes.	Begun.	Finished.	Cost.	Total Length.
	8"	10"	12"	15"								
Bourne	152.3	197.3			Portland Pipe		9.3	2	Aug. 23	Sept. 7	\$ 1,275 02	349 6
Carlisle			283.0		" "		8.4	1	May 28	June 6	767 20	283 0
Davenport Terrace, East	107.5				" "		8.9	0	July 11	July 19	349 21	107 5
East Merrimack			327.7		" "	114.0	6.0	2	Nov. 5	Nov. 21	1,178 07	327 7
Exeter and Fisher			260.4		" "	11.0	9.5	2	May 28	June 17	1,277 23	260 4
Florence Avenue		1005.5			" "	30.0	9.8	5	July 1	Aug. 22	3,976 45	1005.5
Gardner Avenue		253.8			" "		9.0	1	June 19	July 1	748 63	253 8
Highland Ave., Wedge and Fairfield, unfinished ..			284.0		" "		9.1	3	Dec. 4		1,041 23	284 0
Mammoth Road			840.1		" "		7.0	4	May 28	June 26	2,873 95	840 1
Merrill Avenue			168.6		" "		9.2	1	Dec. 6	Dec. 14	608 26	168 6
Merrimack Sq. and Bridge St., unfinished, 332 ft. } 36 in. brick, 200 ft. 20 in. x 30 in. brick, } 72 ft. 36 in. iron pipe					Brick, Iron Pipe	404.0	17 2	4	Sept. 9		17,090 07	605 2
Middlesex		129.5			Portland Pipe	80.0	9.1	1	Aug. 2	Aug. 23	1,150 36	129 5
Methuen				184.1	" "		8.8	2	Nov. 20	Dec. 6	880 25	184 1
Oaklands System Extension			503.8		" "		6.2	2	July 29	Aug. 29	2,091 44	503 8
Pentucket Avenue			429.4		" "		8.3	1	June 17	July 10	1,671 91	429 4
Rose Avenue		207.4			" "		10.0	1	July 8	July 18	639 53	207 4
Warren and Central Sts.	135.4		71.0		" "		7.8	2	Sept. 3	Sept. 14	636 53	206 4
SURFACE DRAIN.											\$38,255 34	6146 0
Florence Avenue	395.2	2125.5	3168.7	184.1	" "		5.8	4	July 8	Aug. 19	1,437 99	872 0
	395.2	2997.5	3168.7	184.1							\$39,693 33	7018 0

Lineal feet of sewers laid in 1907 6,146 feet or, 1.16 miles

Sewers laid previously. 98.23 "

99.39 "

Deduct 120 feet of sewers relaid02 "

Length of sewers January 1, 1908. 99.37 "

ANNUAL REPORT

OF THE

CHIEF ENGINEER

OF THE

FIRE DEPARTMENT

OF THE

CITY OF LOWELL,

FOR THE YEAR 1907.



LOWELL, MASS.:

THE LAWLER PRINTING COMPANY, 29 PRESCOTT STREET,

1908

REPORT.

CHIEF'S OFFICE,

PALMER ST. ENGINE HOUSE,

LOWELL, January 1, 1908.

TO THE CITY COUNCIL OF THE CITY OF LOWELL :

GENTLEMEN:—In accordance with the requirements governing the Fire Department, it becomes my duty, as Chief Engineer, to present to you the annual report of the Fire Department of the City of Lowell for the year ending December 31, 1907.

The report will be found to contain statements in detail embracing the amount of expenditures, a register of the department, with age, residence, and occupation of each member, a record of all fires and alarms which have occurred during the year, and the cause thereof, with the names of the owners and occupants, the loss and in-

surance, as nearly as could be ascertained, and such information as is thought proper for your consideration.

The following statement will show the receipts and expenditures :

RECEIPTS

Appropriation	\$143,504.59
Transfers	4,720.65
	<hr/>
	\$148,225.24

EXPENDITURES

Pay rolls	\$121,205.20
Water works	451.96
Hose and repairs of same	2,930.00
Telephones	257.76
Express and freight	25.15
Horses and use of same	2,430.33
Shoeing	1,953.46
Veterinary and medicines	261.80
Hay, straw and grain	7,464.38
Harness and repairs	590.70
Furniture and bedding	402.40
Coal and wood	3,009.27
Gas	1,952.19
Printing	163.55
Repairs on apparatus	2,132.13
Laundry	147.08
Fire alarm boxes and repairs	1,007.70
Oils, sponges, etc.	1,840.18

Total expenditures for the year

\$148,225.24

SALARIES OF MEMBERS OF FIRE DEPARTMENT

Chief Engineer	\$2,200.00 per annum
First Assistant Engineer	1,500.00 per annum
Other Assistant Engineers	400.00 per annum
Foremen of the Companies (call)	300.00 per annum
Call Men	200.00 per annum
Permanent Men	2.75 per day
Foremen of Compaines (permanent)	3.00 per day
Engineers of Steamers (permanent)	3.00 per day

This department is divided into two classes, Permanent and Call. The Permanent force consists of

1 Chief Engineer	25 Drivers
1 First Assistant Engineer	20 Laddermen
1 Fire Alarm Operator	6 Engineers of Steamers
39 Hosemen	1 Driver for the Chief Engineer
7 Patrolmen	

A total of 100, of which 15 are Captains and 17 Lieutenants.

The Call force consists of

3 Assistant Engineers	63 Hosemen
23 Laddermen	

A total of 86, of which there is 1 Captain.

This makes a total of 186, divided into companies as follows:

- 6 Steam Fire Engines, with Hose Wagons.
- 5 Horse Hose Companies.
- 4 Hook and Ladder Companies, 2 with Chemical Engines attached.
- 1 Protective Company.

The changes in the force during the year have been as follows:

Appointed on the Permanent force	2
Discharged	8
Promoted	5

The apparatus is kept in the best possible condition, and consists at present of six Engines, eleven two-horse Hose Wagons, one Babcock Aerial Truck and three Trucks of other patterns, two Chemical Engines, one Hale Water Tower, one Patrol Wagon and Sleigh, fully equipped, six Hose Pungs, eight Fuel Wagons, two Wagons and one Sleigh for use on fire alarm, one Wagon and Sleigh for Chief's use, one Wagon for Assistant Chief's use, and nineteen Fire Extinguishers. In reserve there are three two-horse Hose Reels.

A first size Amoskeog Engine was purchased, and will be delivered about the first of February to take the place of Engine 1 that has been in service thirty-seven years; the old Engine will be kept in reserve.

FIRE ALARM

This branch of the service has been maintained in most excellent condition by the operator, Mr. H. C. Fernald.

There have been two hundred and fifty-five alarms given from signal boxes, and the "No School" signal has been given seventeen times the past year.

Connected with the circuit there is one ten-circuit non-interfering repeater, one ten-circuit cut-out and testing switchboard, one slate protector, twelve galvanometers, eleven bell-strikers, fifteen large gongs for engine houses, eight small gongs, seventeen indicators, sixteen electro-

magnets and connections for opening stall doors, twenty-three electric light current protectors, one hundred and twenty-six public and thirteen private signal boxes, one hundred and seven miles of wire, the whole supplied with a storage battery of four hundred and seventy-five cups.

There is also one large gong and indicator combined in the Police Station, one large gong at Pumping Station, Merrimack Square, Tower's Corner, corner of Bridge and First Streets, and near the Northern Depot.

An additional appropriation will be needed this year to extend the placing of wires underground.

TELEPHONE

There are connected with this system twenty stations, consisting of transmitter, telephone bell and battery; there are also twenty-two tap bells for the rooms of the Engine Houses, and about forty miles of wire owned by the City, under the care of the Fire Alarm Operator, except the telephones and transmitters, which are leased from the Telephone Company. The ringing line is supplied by a storage battery of one hundred and twenty-five cups.

HORSES AND HARNESSES

There are sixty horses in the service of the department. Nine new ones have been purchased the past year to take the place of nine that had passed their usefulness for this department. There are twelve sets of double, ten sets of three-horse hitch harnesses, and four single swinging harnesses of the Berry and Hale patents.

PROTECTIVE DEPARTMENT

This department is maintained by the city and consists of seven permanent men. They responded to two hundred and ninety-five alarms, in service three hundred and eighty-three and one half hours, spread six hundred and ninety-nine covers, used two hundred and seventeen extinguishers, raised one hundred and fifty-four feet of ladders, twelve hundred and sixty hours inspection duty.

Chemical B, attached to Truck 3, used sixty-one tanks (eighty-five gallons). Chemical C, attached to Truck 2, used sixty tanks (eighty-five gallons).

HOSE

The department received four thousand feet of 2½ inch hose the past year and will need two thousand feet of new hose the present year.

HYDRANTS

The Water Department added twenty-five new hydrants the past year, most of them were located in the Tewksbury annex, and are as follows: Atlantic street west side, 250 feet south of Wedge Street. 1. Bolton north side, 332 feet west of Eastern street. 2. Boylston west side, opp. Hampstead street. 3. Circuit Ave. north side, 490 feet east of Woburn. 4. Clark Road west side, opp. house of L. T. Trull. 5. Clifton north side, 497 feet west of Eastern street. 6. Dayton north side, 278 feet east of Boylston. 7. Delmont Ave. north side, 452 feet east of Woburn. 8. East Commonwealth Ave. north side, 325 feet east of Woburn. 9. Endicott north side, 4 feet west of Fourth ave. 10. Fairfield west

side, 250 feet south of Wedge. 11. Florence ave. east side, 711 feet south of Westford. 12. Highland ave. west side, 538 feet south of Pine. 13. Hampstead north side, 565 feet east of Boylston. 14. Juniper north side, 330 feet northeast of Woburn. 15. Lawrence north side, 461 feet east of Rockingham. 16. Lawrence north side, 56½ feet east from Concord river bridge. 17. Marshall Road east side. 18. Parker north side, 34 feet west from Highland ave. 19. Parker east side, 141 feet south of Walden. 20. Plummer ave. west side, 317 feet north of Andover. 21. Rogers north side, 2 feet east of Perry. 22. Seventh ave. south side, 10 feet west of Roberts. 23. West Commonwealth ave. south side, 18 feet from B. & M. R. R. Station. 24. Wilton ave. east side, 4 feet from end of Wilton ave.

FIRES AND LOSSES

The whole number of alarms of fire during the year ending December 31, 1907, was eight hundred and thirty-eight (838). Two hundred and fifty five (255) were given from signal boxes (one general and eight second-alarms included), one hundred and sixty-two (162) stills two hundred and fifty-seven (257) telephones, thirteen (13). Automatics, fourteen (14) exposures, and one hundred and thirty-seven (137) Reported alarms; the No School signal was given fifteen (15) times. There were four hundred and thirty-three (433) fires extinguished by Chemicals alone and one hundred and sixty-nine (169), where water was used. The remaining number were extinguished by other means or had been put out before the arrival of the department. Eighty-six (86) fires were in brick or stone buildings, four hundred and twenty-two (422), in wooden buildings and one hundred and ninety-

five (195) other than building fires. The whole amount of loss except the reported ones was \$247,691.31, insurance \$1,372,703.00, paid \$208,066.79, loss above insurance \$39,624.52, valuation \$1,849,709.37. The reported loss was \$34,101.19, insurance \$740,175.00, paid \$34,101.19, valuation \$1,040,400.00. There has been ten (10) alarms for fires out of the City to which some part of the department has responded the past year, for which no insurances are kept, Chelmsford six (6), Dracut three (3), Tewksbury one (1).

This city has been fortunate in having but few large fires the past year. There has been twenty-four (24) fires where the loss was \$1,000.00 and over. Jan. 17th, J. Marin's block on Front Street, the loss was \$1550.00. Jan. 28th, building on Merrimack Street, belonging to the R. M. Rugg Estate, occupied by J. E. Burbank, milliner, Idea Shoe Co., and M. L. Delude, milliner, loss \$3,379.17. Jan. 28th, A. C. Wheelock's (Card Clothing) building on Shattuck St., where Kirkly Hyde lost his life, occupied by a number of occupants, loss was \$24,265.25. Feb. 22, F. E. Beharrell's residence on Fremont Street, loss \$3,100.00. Feb. 25, A. C. Wheelock's block on Merrimack Street, occupied by J. General and others, loss, \$3,289.09. March 5, block on corner of Merrimack and Prescott Streets, belonging to the estate of J. F. and H. Howe with a number of occupants, loss \$5,978.15. March 6, George Fifield's store house in Middlesex Village, loss \$1,500.00. April 2, E. Hapgood's Mattress Mfg. on High Street, loss \$2,754.50. April 14, building on Perrin Street, belonging to the J. Clark Machinery Co., occupied by J. Clark Co., Mohair Plush Co., and others, loss \$11,923.32. May 24, Wamesit Power Co.'s building, occupied by the U. S. Bunting Co., loss \$19,239.48. June 5, T. McMahon's residence on Watson Street, loss \$1,410.00. June 18, block belonging to Charles A. Stott, occupied by the Adams Hard-

ware and Paint Co., Middlesex Street, loss \$2,543.10. June 22, building called the Rollaway, belonging to H. J. O'Dowd and occupied by Bunker and Hennessy, extended to St. Paul's Church, Second Universalist Church, one or two dwellings on Hurd Street and Peabody's stable on Warren Street, loss \$62,344.50. June 25, block on Gorham Street belonging to Dr. Carroll and occupied by C. G. Somers, loss \$1,211.21. July 3, P. J. Riley's junk shop and surrounding property, loss \$9,361.62. July 29, F. A. Taylor's residence on Seventeenth Street, loss \$1,270.35. Aug. 3, Hoyt and Shedd's block on Church Street, occupied by themselves and C. F. Hatch & Co., loss \$5,966.60. Aug. 12, Eagle Foundry Co., Plain Street, loss \$5,557.12. Aug. 30, Wm. Atkins' dwelling and eight others on St. James St., loss \$5,547.30. Oct. 3, U. S. Bunting Co.'s storehouse, loss \$13,875.29. Oct. 31, B. Scannell's boiler shop on Tanner Street, loss \$8,230.30. Dec. 13 and 19, two fires in block belonging to the W. H. I. Hayes estate on Middle Street, loss on both fires \$14,137.25. Dec. 18, E. Cawley's block on Middlesex Street, loss on building and contents, except the pool room, which has not been settled yet, \$3,213.22, making a total loss on the twenty four fires of \$215,743.82 leaving the balance of \$31,947.49 to be divided among the other 677 alarms.

There has been ten incendiary and supposed incendiary fires during the year which were investigated by an Aid from the Fire Marshal's office. For further particulars in regard to fires and losses I refer you to the tables annexed to this report.

The following is the number of buildings of all kinds in the City:

Total number of iron buildings	-	-	-	-	.	3
Total number of stone buildings	-	-	-	-	-	53
Total number of buildings of all descriptions	-					18,146
An increase during the past year of	-	-	-	-		169

Some of these blocks have from four to twenty tenements.

The following table shows the number of alarms of fire each month:

January	-	-	64	August	-	-	75
February	-	-	54	September	-	-	31
March	-	-	54	October	-	-	78
April	-	-	113	November	-	-	56
May	-	-	71	December	-	-	62
June	-	-	95				
July	-	-	85				
				Total			838

The following will show the causes of the different alarms as near as could be ascertained:

Awnings	9	Hot Bearing	1
Alarms for same fire	45	Hot ashes	12
Burning insulation	1	Hot stove	13
Barrell of molasses	1	Hams caught fire	1
Boiler smoking	1	Incubator	1
Brush	25	Incendiary	1
Bonfire	1	Lightning	3
Beds	7	Lantern exploded	1
Clothes in closet	6	No School	15
Coffee Roaster	1	Overheated forge	1
Chimneys	75	Overheated fireplace	3
Combustion	14	Oil lamps	14
Careless use of candles	1	Oil stoves	7
Careless use of matches	31	Out of the city	10
Cigar stub	10	Overheated thermostat	14
Careless smoking	1	Overheated boiler	1
Children and matches	20	Picker	1
Can of varnish	1	Plumbers' torch	1
Defective motor	1	Plumbers' furnace	2
Dumps	51	Re-kindled	6
Defective chimneys	18	Rats' nest	7
Drying plaster	3	Rubbish	42
Electric wires	6	Supposed incendiary	9
Exposure	14	Stove smoking	15
Fire crackers	4	Spark set clothes	2
False alarms	5	Spark set lint	1
Fat on stove	8	Spark set hay	1
Furnace smoking	2	Spark set roof	20
Gas jet set waste	2	Spark set shavings	5
Gas stove	2	Spark set sleepers	2
Gas leak	4	Sawdust	4
General alarm	1	Second alarm	8
Gasoline explosion	4	Steam escaping	1
Gas explosion	2	Smoke	1
Gas jet set curtains	4	Thawing water pipes	11
Grass	59	Tar kettles	3
Hot stove pipe	6	Unknown	21
Hot Air balloon	1	Water leak	1

SERVICE OF THE DEPARTMENT FOR 1907

	Number of alarms attended	Number of hours worked	Feet of hose laid	Hours of hydrants in use	Number of extinguishers used	Number of chemical tanks used	Feet of ladders raised	Hours engines worked	Number of covers used
Engine	110	111	13,500	50 1-4	36			12 1-2	
"	111	101 3-4	12,600	21 1-2	37			11	
"	199	203 1-2	12,650	49	25			21 3-4	
"	195	201	12,650	40 1-2	67		136	16 1-2	
"	81	72	3,500	14	62			3 1-2	
"	143	142 3-4	10,100	24 3-4	32			6 3-4	
Hose	156	137 3-4	16,050	33 1-4	34				
"	155	172 1-4	19,800	63	57				
"	79	87 1-2	12,350	18 1-2	36				
"	133	186 3-4	12,750	66 3-4	24				
"	71	69 3-4	6,350	12 1-2	42				
Truck	67	101 1-2					1904		
"	141	183 1-4				60	1448		
"	225	268 1-4				61	2930		
"	119	190					2104		
Protective	295	383 1-2			217		154		699
Total	2,280	2,612 1-2	132,300	394	669	121	8,676	72	699

There were eight deaths by burning during the past year. Jan. 2, Nora Novinski, three years old, in Perry's Court, her clothes caught fire from a hot stove. Jan. 28, Kirkly Hyde, while trying to escape from the upper story of the Card Clothing Building. Feb. 5, Chistos Chadavos, dye stuff caught fire, burnt him so that he died on the 7th. Mar. 15, Jacob Tharza, 3 years old, John Street Court, playing with matches set his clothes. June 22, Marie Anna Wach, a little boy set her clothes on fire, Fenwick Street, died on the 24th. July 27, Willie Boisvert, 4 years old, playing with matches. Oct. 9, Mrs. J. W. Wilson, Pond Street, clothes caught fire from plumber's torch, Wm. J. Scott, the plumber was burnt so badly that he died Nov. 4th.

The following is a list of the men injured the past year: Lieut. T. W. Collins, Engine 1; Capt. H. Boynton, Engine 2; Capt. F. Hoyt, Engine 3; Lieut. T. H. Rogers, Engine 6; John Emerson and P. Emerson, Hose 7; W. F. Tighe, Hose 8; Capt. Baxter, Hose 9; Capt. Hemenway and Lieut. McCafferty, Hose 10; Capt. Dolan, Lieut. Jennings, and J. J. Doherty, Hose 11; J. T. Doyle, Truck 1; Major Wright and E. Lepene, Truck 4; Chief Hosmer, Assistant Engineers Salmon twice and E. Meloy.

LOWELL FIREMEN'S FUND ASSOCIATION.

This benevolent association was organized December 17, 1885, for the purpose of furnishing relief to such of its members as should receive injuries while in the discharge of their duties. The income is derived from an annual assessment upon each member, and by donations from citizens and others; and in behalf of the members of the association, I would return thanks to all those who have aided us in the past.

The following donations have been received during the past year:—

Town of Dracut	\$200 00
Lowell Gas Light Co.....	100 00
Sawyer Carriage Co.....	25 00
J. Clark Machinery Co.....	50 00
Adams Hardware Co.....	25 00
Putnam & Son Co.....	25 00
Adams & Co.....	25 00
G. W. Norris Est.....	25 00
F. B. Shedd.....	100 00
Wm. Manning.....	25 00
Appleton National Bank.....	50 00
Total	\$650 00

The following shows the amount standing to the credit of the Association December 31, 1907:—

Balance on hand Dec. 31, 1906.....	\$24,637 96
Cash received to Dec. 31, 1907....	1,749 82
Total	\$26,387 78
Cash paid out.....	1,354 45
On hand Dec. 31, 1907.....	\$25,033 33

In conclusion I wish to thank my Board of Engineers, officers and members of the department for their promptness and efficiency in the performance of their duties. To

the Mayor and City Council, Clerk, Auditor, Treasurer, Superintendents of the different departments, and all others who have in any way assisted me in the discharge of my duties, I extend my sincere thanks.

Respectfully submitted,

EDWARD S. HOSMER,

Chief of Fire Department.

FIRE DEPARTMENT

JANUARY 1, 1908

CHIEF ENGINEER

EDWARD S. HOSMER } Office, Palmer St. Engine House
 } Residence, 202 Westford Street

FIRST ASSISTANT ENGINEER

JAMES F. NORTON . . . Residence, 22 Ames Street

ASSISTANT ENGINEERS

George F. Salmon . Residence, 95 Mt. Washington Street
Edward Meloy . . . Residence, 30 Fort Hill Avenue
Charles Stackpole . . . Residence, 105 Liberty Street

CHIEF'S DRIVER

H. B. Sanders . Residence, Palmer Street Engine House

TELEGRAPH OPERATOR

Henry C. Fernald, Residence, Palmer Street Engine House

COMMITTEE ON FIRE DEPARTMENT, 1907

Aldermen Wilder and Daly. Councilmen Marchand
Wainwright and Flanagan

ENGINE COMPANY No. 1

TWELVE MEMBERS

HOUSE ON GORHAM STREET

Badge	Rank	Name	Age	Occupation	Joined Dept.	Residence
15	Captain	C. D. Foley	52	Permanent	June, 1879	Engine House
11	Lieutenant	T. W. Collins	51	Permanent	April, 1884	Engine House
1	Clerk	George W. Lovett	58	Driver, Wagon	Dec., 1875	Engine House
119	Engineer	J. W. Jantzen	54	Permanent	Feb., 1884	Engine House
18	Driver	J. J. Lowney	39	Driver, Engine	July, 1892	Engine House
17	Ass't Engineer	T. McNamara	64	Machinist	April, 1884	740 Lawrence St.
19	Hoseman	J. A. Shea	33	Plasterer	Dec., 1899	28 Butler Ave.
14	Hoseman	P. Curtin	54	Moulder	May, 1874	43 Abbott St.
13	Hoseman	J. E. Burns	40	Expert	Sept., 1897	14 Carter St.
12	Hoseman	Robert Oatley	46	Permanent	Dec., 1893	Engine House
10	Hoseman	Wm. H. Kirkpatrick	40	Machinist	Jan., 1897	Engine House
16	Hoseman	J. H. Gray	41	Lather	Feb., 1899	23 Ellsworth St.

ENGINE COMPANY No. 2

TWELVE MEMBERS

HOUSE ON BRANCH STREET

Badge	Rank	Name	Age	Occupation	Joined Dept.	Residence
2	Captain	H. Boynton	56	Permanent	April, 1869	Engine House
21	Lieutenant	F. B. Akers	49	Permanent	May, 1878	Engine House
20	Clerk	W. H. Oke	42	Driver, Wagon	Dec., 1893	Engine House
29	Engineer	H. R. Morrison	48	Permanent	July, 1882	Engine House
90	Driver	F. Boynton	45	Driver, Engine	Dec., 1882	Engine House
28	Hoseman	C. F. Stackpole	22	Teamster	Dec., 1904	105 Liberty St.
22	Hoseman	Gilman S. Alcott	24	Permanent	June, 1902	Engine House
24	Ass't Engineer	A. F. Prescott	30	Permanent	June, 1899	Engine House
25	Hoseman	C. A. Bugbee	46	Painter	Dec., 1894	62 Grove St.
23	Hoseman	F. H. Harris	31	Tinsmith	Aug., 1899	Engine House
26	Hoseman	C. E. Alway	44	Carpenter	Feb. 1889	3 East Pine St.
27	Hoseman	H. L. Foster	22	Machinist	March, 1905	41 D St.

ENGINE COMPANY No. 3

TWELVE MEMBERS

HOUSE ON PALMER STREET

Badge	Rank	Name	Age	Occupation	Joined Dept.	Residence
30	Captain	F. Hoyt	59	Permanent	Aug., 1873	Engine House
31	Lieutenant	O. A. Knapp	44	Permanent	July, 1889	Engine House
3	Clerk	F. E. Turner	41	Driver, Wagon	July, 1892	Engine House
33	Engineer	M. I. Collins	52	Permanent	April, 1888	Engine House
133	Driver	B. C. Reed	53	Driver, Engine	Aug., 1885	Engine House
37	Hoseman	F. E. Roark	58	Lighter	July, 1875	Fifth St.
38	Hoseman	G. T. Halstead	57	Permanent	Nov., 1883	Engine House
35	Hoseman	B. F. Freeman	63	Permanent	July, 1892	Engine House
32	Hoseman	J. J. Rinehart	35	Clerk	Dec., 1902	15 Sixth St
36	Ass't Engineer	A. E. Dearth	47	Permanent	June, 1891	Engine House
39	Hoseman	A. Dore	31	Carpenter	Feb., 1898	8 Oak St
34	Hoseman	F. A. Farrell	39	Plumber	April, 1898	Market St

ENGINE COMPANY No. 4

TWELVE MEMBERS

HOUSE ON HIGH STREET

Badge	Rank	Name	Age	Occupation	Joined Dept.	Residence
40	Captain	J. E. Burns	47	Permanent	Feb., 1882	Engine House
42	Lieutenant	J. E. Sullivan	55	Permanent	May, 1883	Engine House
4	Clerk	W. King	65	Driver, Wagon	Nov., 1863	Engine House
41	Driver	J. J. Harrington	58	Driver, Engine	Nov., 1869	Engine House
134	Engineer	J. D. Ismond	40	Engineer	Mar., 1894	Engine House
44	Hoseman	M. Connors	56	Plasterer	Mar., 1883	Pleasant St.
43	Hoseman	W. T. Dolan	35	Permanent	Nov., 1894	Engine House
46	Hoseman	J. H. Tracy	35	Clerk	Sept., 1897	Fayette St.
48	Ass't Engineer	M. E. Egan	43	Finisher	Dec., 1898	Pleasant St.
49	Hoseman	Thomas Bryan	36	Leather Worker	July, 1899	Concord St.
47	Hoseman	J. M. G. Burns	34	Permanent	July, 1895	Engine House
45	Hoseman	Patrick Mooney	33	Machinist	June, 1902	61 Pleasant St.
	Hoseman	Patrick Finnerty	34	Moulder	July, 1903	58 Church St.

ENGINE COMPANY No. 5

TWELVE MEMBERS

HOUSE, MAMMOTH ROAD, PAWTUCKETVILLE

Badge	Rank	Name	Age	Occupation	Joined Dept.	Residence
152	Captain	E. W. Bartlett	60	Permanent	May, 1883	Engine House
52	Lieutenant	G. F. Flint	46	Permanent	Aug., 1892	Engine House
51	Engineer	C. L. Brown	53	Permanent	Jan., 1893	Engine House
53	Ass't Engineer	J. P. Fowler	59	Carpenter	May, 1883	Mammoth Road
55	Hoseman	E. F. Farrell	32	Plumber	Dec., 1898	Sixth Ave.
50	Driver	S. S. Page	59	Driver, Engine	May, 1888	Engine House
58	Hoseman	J. J. Frazier	51	Moulder	June, 1892	Starbird St.
54	Hoseman	J. J. McManmon	36	Machinist	Jan., 1893	Second Ave.
5	Driver	R. W. Broadbent	40	Driver, Wagon	Mar., 1893	Engine House
56	Hoseman	C. A. Campbell	34	Permanent	Oct., 1899	Engine House
59	Hoseman	J. C. O'Neil	35		Dec., 1904	20 Sixth Ave.
57	Hoseman	R. J. Hayes	29	Teamster	Jan., 1905	242 Mammoth Rd.

ENGINE COMPANY No. 6.

TWELVE MEMBERS

HOUSE ON FLETCHER STREET

Badge	Rank	Name	Age	Occupations	Joined Dept.	Residence
68	Captain	D. J. Hurley	56	Permanent	May, 1879	Engine House
6	Clerk	J. A. Fletcher	51	Driver, Wagon	May, 1880	Engine House
61	Lieutenant	T. H. Rogers	56	Permanent	Dec., 1888	Engine House
64	Hoseman	E. F. Saunders	42	Baker	Feb., 1890	Mt. Washing'n St.
65	Hoseman	J. J. Murray	55	Cabinetmaker	July, 1885	Bowers St.
60	Driver	S. R. Pendexter	55	Driver, Engine	June, 1892	Engine House
62	Engineer	F. G. Collins	50	Permanent	Dec., 1889	Engine House
67	Hoseman	E. A. Walsh	35	Plumber	June, 1895	Engine House
69	Ass't Engineer	E. Perham	47	Permanent	July, 1892	Engine House
66	Hoseman	R. E. Burns	42	Permanent	Dec., 1888	Engine House
79	Hoseman	T. F. Maguire	41	Clerk	July, 1892	Butterfield St.
63	Hoseman	T. F. Saunders	37	Horseshoer	Sept., 1895	Butterfield St.
	Hoseman	J. J. McCarthy	38	Plasterer	Jan., 1905	216 Mt. Hope St.

HOSE COMPANY No. 7

NINE MEMBERS

HOUSE ON CENTRAL STREET

Badge	Rank	Name	Age	Occupation	Joined Dept.	Residence
72	Captain	E. Cunningham	61	Steamfitter	Aug., 1866	20 Ames St.
70	Lieutenant	E. O'Connell	50	Permanent	Aug., 1878	Hose House
7	Clerk	J. Sullivan	41	Driver, Wagon	July, 1892	Hose House
73	Hoseman	P. S. Emerson	49	Carpenter	Feb., 1883	Lawrence St.
74	Hoseman	E. Crowley	54	Coppersmith	Feb., 1883	Hose House
71	Hoseman	P. McLaughlin	52	Permanent	Aug., 1888	Hose House
78	Hoseman	J. N. Emerson	45	Permanent	July, 1889	Hose House
75	Ass't Driver	T. F. Walsh	50	Ass't Driver	Nov., 1887	Hose House
77	Hoseman	Peter Sheehan	40	Clerk	Dec., 1897	11 Lyon St.
76	Hoseman	J. P. Moore	35	Trimmer	Feb., 1898	560 Gorham St.
	Hoseman	J. D'Amours	35	Steamfitter	Mar., 1903	Thorndike St.

HOSE COMPANY No. 8

NINE MEMBERS

HOUSE ON MERRIMACK STREET

Badge	Rank	Name	Age	Occupation	Joined Dept.	Residence
86	Captain	D. J. Crowley	47	Permanent	Feb., 1890	Hose House
151	Hoseman	W. J. Flynn	55	Permanent	April, 1885	Hose House
87	Hoseman	W. F. Tighe	45	Permanent	Sept., 1892	Hose House
150	Lieutenant	B. J. Dunn	45	Permanent	Feb., 1890	Hose House
85	Hoseman	T. F. Lynch	43	Piper	Nov., 1895	19 James St.
153	Hoseman	T. F. Welch	52	Cabinet Maker	June, 1894	20 Rockdale Ave.
136	Hoseman	J. F. Convery	54	Carpenter	Jan., 1893	39 Adams St.
89	Hoseman	C. Collins	37	Machinist	Aug., 1894	44 Common St.
154	Hoseman	J. Bernier	36	Wood Dealer	May, 1900	65 Salem St.
88	Clerk	W. M. Barrett	30	Driver, Wagon	Aug., 1898	Hose House

HOSE COMPANY No. 9

NINE MEMBERS

HOUSE ON LINCOLN STREET

Badge	Rank	Name	Age	Occupation	Joined Dept.	Residence
91	Captain	J. Baxter	49	Permanent	July, 1883	Hose House
92	Lieutenant	G. H. Chapman	52	Permanent	May, 1885	Hose House
93	Clerk	C. A. Rock	48	Driver, Wagon	May, 1893	Hose House
94	Hoseman	F. A. Kappler	50	Carpenter	May, 1893	291 Lincoln St.
95	Hoseman	D. F. Conroy	37	Permanent	Jan., 1894	Hose House
	Hoseman	P. F. Mooney	34	Plasterer	March, 1905	110 London St.
96	Hoseman	F. H. Crosby	38	Plasterer	May, 1900	111 Moore St.
	Hoseman	C. L. Crowley	25	Moulder	May, 1905	436 Lincoln St.
97	Hoseman	Robert Maxwell	30	Stamper	June, 1902	4 Carter Place
98	Hoseman	Josh. S. King	35	Driver	Dec., 1902	76 Washington St
99	Hoseman	W. H. Bamford	29	Plasterer	Jan., 1904	53 Main St.

HOSE COMPANY No. 10

HOUSE ON FOURTH STREET

NINE MEMBERS

Badge	Rank	Name	Age	Occupation	Joined Dept.	Residence
160	Captain	C. F. Hemenway	58	Permanent	Sept., 1875	Hose House
162	Lieutenant	J. McCafferty	45	Permanent	Nov., 1887	Hose House
161	Clerk	A. E. Kidder	52	Driver, Wagon	Oct., 1887	Hose House
166	Hoseman	D. Common	58	Carpenter	Mar., 1896	Beach St.
164	Hoseman	C. E. Abare	33	Permanent	Sept., 1897	Hose House
168	Hoseman	Fred Mansur	49	Carpenter	Oct., 1889	21 Third St.
165	Hoseman	C. S. Hoisington	50	Tinsmith	Aug., 1897	Reed, cor. 5th St.
163	Hoseman	B. M. Simpson	38	Hostler	May, 1901	Fifth St
167	Hoseman	L. P. Reed	28	Machinist	April, 1902	90 Fremont St.

HOSE COMPANY No. 11

NINE MEMBERS

HOUSE ON LAWRENCE STREET

Badge	Rank	Name	Age	Occupation	Joined Dept.	Residence
200	Captain	W. A. Dolan	45	Permanent	Jan., 1888	Hose House
202	Clerk	J. Bamford	49	Driver, Wagon	Dec., 1889	Hose House
201	Lieutenant	E. Jennings	50	Permanent	Jan., 1893	Hose House
203	Hoseman	J. D. Finnegan	42	Permanent	Jan., 1893	Hose House
205	Hoseman	T. J. Dwyer	45	Machinist	Jan., 1893	534 Central St.
206	Hoseman	George Buck	41	Belt Maker	Jan., 1893	742 Lawrence St.
207	Hoseman	J. J. Doherty	45	Fruit Dealer	Jan., 1893	18 Mill St.
208	Hoseman	W. J. Sullivan	40	Shuttle Maker	Nov., 1896	Lawrence St.
204	Hoseman	Peter B. Gray	35	Carpenter	June, 1901	71 Whipple St.

TRUCK COMPANY No. 1

TEN MEMBERS

HOUSE ON LAWRENCE STREET

Badge	Rank	Name	Age	Occupation	Joined Dept.	Residence
209	Captain	T. Brown	49	Permanent	May, 1890	Ladder House
210	Lieutenant	T. Dwyer	44	Permanent	Sept., 1888	Ladder House
212	Ladderman	J. O'Hare	42	Driver	Jan., 1893	Ladder House
213	Ladderman	J. F. McGuinness	45	Permanent	Jan., 1893	Ladder House
214	Ladderman	J. H. Lannon	35	Machinist	Jan., 1905	103 Whipple St.
216	Ladderman	J. J. Donohoe	48	Teamster	Jan., 1893	74 Agawam St.
217	Ladderman	M. J. O'Connor	43	Clerk	Jan., 1900	900 Gorham St.
211	Clerk	William Heelon	47	Driver, Truck	March, 1896	Ladder House
218	Ladderman	C. J. Meehan	44	Mattress Maker	Aug., 1894	Ladder House
215	Ladderman	J. T. Doyle	34	Teamster	Jan., 1905	130 Perry St.

TRUCK COMPANY No. 2, WITH CHEMICAL ENGINE ATTACHED

THIRTEEN MEMBERS

HOUSE ON WESTFORD STREET

Badge	Rank	Name	Age	Occupation	Joined Dept.	Residence
121	Captain	D. W. Hilliard	56	Permanent	Aug., 1872	Truck House
120	Lieutenant	G. W. Alcott	54	Permanent	Oct., 1877	Truck House
130	Clerk	G. A. Dickey	58	Driver, Chemical	Nov., 1888	Truck House
131	Ladderman	H. S. Gardner	55	Permanent	May, 1874	Truck House
132	Ladderman	E. E. Smith	53	Permanent	Jan., 1890	Truck House
125	Ladderman	G. E. Maynard	51	Carpenter	Oct., 1888	26 E. Pine St.
127	Ladderman	E. S. Barnes	38	Permanent	Dec., 1894	Truck House
128	Ladderman	R. B. Joslin	34	Clerk	April, 1898	94 Lane St.
124	Driver	Q. A. Foster	49	Driver, Truck	June, 1889	Truck House
123	Ladderman	W. S. Holt	32	Permanent	April, 1898	Truck House
122	Ladderman	H. W. Hilliard	24	Machinist	Jan., 1905	29 Osgood St.
129	Ladderman	H. Cogswell	31	Teamster	June, 1905	53 Pine St.

TRUCK COMPANY No. 3, WITH CHEMICAL ENGINE ATTACHED

THIRTEEN MEMBERS

HOUSE ON PALMER STREET

Badge	Rank	Name	Age	Occupation	Joined Dept.	Residence
110	Captain	F. E. Fuller	58	Permanent	May, 1869	Truck House
141	First Lieut.	H. F. Harris	55	Permanent	Nov., 1888	Truck House
112	Clerk	F. O. J. Townsend	53	Driver, Truck	May, 1886	Truck House
140	Ladderman	W. T. Foss	46	Permanent	April, 1892	Truck House
113	Ladderman	F. W. Simons	56	Permanent	Sept., 1872	Truck House
111	Ladderman	R. Carland	45	Permanent	Oct., 1893	Truck House
143	Second Lieut.	H. A. Merrill	45	Permanent	June, 1884	Truck House
142	Ladderman	P. O'Laughlin	46	Steamfitter	July, 1893	104 Gorham St.
116	Driver	W. P. Maker	43	Permanent	Sept., 1888	Truck House
118	Ladderman	H. E. Wilkins	49	Permanent	Jan., 1890	Truck House
114	Ladderman	E. Kerwin	58	Steamfitter	May, 1871	Royal St.
117	Ladderman	E. H. Dearth	44	Permanent	Jan., 1893	Truck House
115	Ladderman	W. O. Lussier	40	Blacksmith	April, 1900	84 Fourth Ave.

TRUCK COMPANY No. 4

TEN MEMBERS

HOUSE ON FOURTH STREET

Badge	Rank	Name	Age	Occupation	Joined Dept.	Residence
102	Captain	J. F. McKissock	55	Permanent	July, 1889	Truck House
101	Lieutenant	J. W. Adams	57	Permanent	Aug., 1874	Truck House
100	Clerk	W. L. Peabody	60	Driver, Truck	Nov., 1874	Truck House
104	Ladderman	E. Lepiene	54	Roll Coverer	Nov., 1894	593 Bridge St.
106	Ladderman	N. Bishop	70	Permanent	July, 1855	Truck House
103	Ladderman	T. McCormick	52	Lineman	Feb., 1886	71 Fourth St.
108	Ladderman	W. N. Flagg	61	Carpenter	Feb., 1884	75 Whitney Ave.
107	Ladderman	H. Mangan	38	Caterer	Aug., 1897	Hildreth St.
109	Ladderman	A. G. Beharrell	27	Permanent	June, 1901	Truck House
105	Ladderman	Major Wright	35	Bricklayer	Jan., 1905	89 Third St.
	Ladderman	A. B. Strout	29	Market	June, 1905	64 Third St.

PROTECTIVE COMPANY No. 1

SEVEN MEMBERS

HOUSE ON WARREN STREET

Badge	Rank	Name	Age	Occupation	Joined Dept.	Residence
80	Captain	W. H. Halstead	63	Permanent	May, 1864	Protective House
82	Lieutenant	J. W. Halstead	59	Permanent	Jan., 1872	Protective House
8	Clerk	Geo. E. Schofield	40	Driver, Wagon	July, 1889	Protective House
83	Patrolman	M. C. Rowell	44	Permanent	April, 1894	Protective House
81	Patrolman	D. W. Russell	54	Permanent	Jan., 1885	Protective House
135	Patrolman	T. F. Conway	39	Permanent	July, 1891	Protective House
84	Patrolman	A. S. Maynard	54	Permanent	Nov., 1884	Protective House

FIRE-ALARM TELEGRAPH

Location—Engine House, Palmer Street

 HENRY C. FERNALD, - - - - - Operator.

 Ten-Circuit Automatic Repeater with Storage Battery of
 475 Cups

Miles of Wire	-	-	-	-	-	-	-	-	107
Signal Boxes	-	-	-	-	-	-	-	-	139
Engineers' Gongs	-	-	-	-	-	-	-	-	8
Engine House Gongs		-	-	-	-	-	-	-	15
Indicators	-	-	-	-	-	-	-	-	17
Bell Strikers	-	-	-	-	-	-	-	-	11

Gong and Indicator combined in Police Station

Gong in Pumping Station

Gong on Merrimack Square

Gong on Tower's Corner

Gong at Northern Depot

Gong Corner Bridge and First Streets

The strikers are located as follows: Palmer Street Engine House, Varnum School House, High Street Church, Court House, No. 1 Engine House, Franklin School House, Pawtucketville Engine House, No. 6 Engine House, Highland School House, Lawrence Street Engine House, Cornell Street School House.

TELEPHONE CIRCUIT

Complete Stations	-	-	-	-	-	-	-	19
Tap Bells (Extra)	-	-	-	-	-	-	-	43
Miles of Wire	-	-	-	-	-	-	-	40
Storage Battery of 125 Cups.								

The value of all property, as near as can be ascertained, in care of the Chief of this Department, is \$154,000.

Schedule of all the Fires which Occurred in the City of Lowell during the Year ending December 31, 1907

Date	Time	Signal	Recall	Location	Wood, Brick or Stone	Owned by	Occupied by	Occupied as	Amount of Damage		Amount of Insurance		Amount of Insurance Paid		Cause of Fire
									Building	Contents	Building	Contents	Building	Contents		Building	Contents
Jan. 1	6 05 p.m.	222		Chesnut st.	Wood	Geo. Thibault	George Thibault	Stable							No school
2	7 44 p.m.	28		Chesnut st.	Wood	J. H. Hingray	General	Dwelling							Oil lantern knocked over
3	7 50 p.m.	28		Chesnut st.	Wood	J. H. Hingray	General	Dwelling							Oil lantern knocked over
4	7 50 p.m.	28		Chesnut st.	Wood	J. H. Hingray	General	Dwelling							Oil lantern knocked over
5	7 50 p.m.	28		Chesnut st.	Wood	J. H. Hingray	General	Dwelling							Oil lantern knocked over
6	7 50 p.m.	28		Chesnut st.	Wood	J. H. Hingray	General	Dwelling							Oil lantern knocked over
7	7 50 p.m.	28		Chesnut st.	Wood	J. H. Hingray	General	Dwelling							Oil lantern knocked over
8	7 50 p.m.	28		Chesnut st.	Wood	J. H. Hingray	General	Dwelling							Oil lantern knocked over
9	7 50 p.m.	28		Chesnut st.	Wood	J. H. Hingray	General	Dwelling							Oil lantern knocked over
10	7 50 p.m.	28		Chesnut st.	Wood	J. H. Hingray	General	Dwelling							Oil lantern knocked over
11	7 50 p.m.	28		Chesnut st.	Wood	J. H. Hingray	General	Dwelling							Oil lantern knocked over
12	7 50 p.m.	28		Chesnut st.	Wood	J. H. Hingray	General	Dwelling							Oil lantern knocked over
13	7 50 p.m.	28		Chesnut st.	Wood	J. H. Hingray	General	Dwelling							Oil lantern knocked over
14	7 50 p.m.	28		Chesnut st.	Wood	J. H. Hingray	General	Dwelling							Oil lantern knocked over
15	7 50 p.m.	28		Chesnut st.	Wood	J. H. Hingray	General	Dwelling							Oil lantern knocked over
16	7 50 p.m.	28		Chesnut st.	Wood	J. H. Hingray	General	Dwelling							Oil lantern knocked over
17	7 50 p.m.	28		Chesnut st.	Wood	J. H. Hingray	General	Dwelling							Oil lantern knocked over
18	7 50 p.m.	28		Chesnut st.	Wood	J. H. Hingray	General	Dwelling							Oil lantern knocked over
19	7 50 p.m.	28		Chesnut st.	Wood	J. H. Hingray	General	Dwelling							Oil lantern knocked over
20	7 50 p.m.	28		Chesnut st.	Wood	J. H. Hingray	General	Dwelling							Oil lantern knocked over
21	7 50 p.m.	28		Chesnut st.	Wood	J. H. Hingray	General	Dwelling							Oil lantern knocked over
22	7 50 p.m.	28		Chesnut st.	Wood	J. H. Hingray	General	Dwelling							Oil lantern knocked over
23	7 50 p.m.	28		Chesnut st.	Wood	J. H. Hingray	General	Dwelling							Oil lantern knocked over
24	7 50 p.m.	28		Chesnut st.	Wood	J. H. Hingray	General	Dwelling							Oil lantern knocked over
25	7 50 p.m.	28		Chesnut st.	Wood	J. H. Hingray	General	Dwelling							Oil lantern knocked over
26	7 50 p.m.	28		Chesnut st.	Wood	J. H. Hingray	General	Dwelling							Oil lantern knocked over
27	7 50 p.m.	28		Chesnut st.	Wood	J. H. Hingray	General	Dwelling							Oil lantern knocked over
28	7 50 p.m.	28		Chesnut st.	Wood	J. H. Hingray	General	Dwelling							Oil lantern knocked over
29	7 50 p.m.	28		Chesnut st.	Wood	J. H. Hingray	General	Dwelling							Oil lantern knocked over
30	7 50 p.m.	28		Chesnut st.	Wood	J. H. Hingray	General	Dwelling							Oil lantern knocked over
31	7 50 p.m.	28		Chesnut st.	Wood	J. H. Hingray	General	Dwelling							Oil lantern knocked over
Feb. 1	1 55 p.m.	16		Chesnut st.	Wood	J. H. Hingray	General	Dwelling							Oil lantern knocked over
2	1 55 p.m.	16		Chesnut st.	Wood	J. H. Hingray	General	Dwelling							Oil lantern knocked over
3	1 55 p.m.	16		Chesnut st.	Wood	J. H. Hingray	General	Dwelling							Oil lantern knocked over
4	1 55 p.m.	16		Chesnut st.	Wood	J. H. Hingray	General	Dwelling							Oil lantern knocked over
5	1 55 p.m.	16		Chesnut st.	Wood	J. H. Hingray	General	Dwelling							Oil lantern knocked over
6	1 55 p.m.	16		Chesnut st.	Wood	J. H. Hingray	General	Dwelling							Oil lantern knocked over
7	1 55 p.m.	16		Chesnut st.	Wood	J. H. Hingray	General	Dwelling							Oil lantern knocked over
8	1 55 p.m.	16		Chesnut st.	Wood	J. H. Hingray	General	Dwelling							Oil lantern knocked over
9	1 55 p.m.	16		Chesnut st.	Wood	J. H. Hingray	General	Dwelling							Oil lantern knocked over
10	1 55 p.m.	16		Chesnut st.	Wood	J. H. Hingray	General	Dwelling							Oil lantern knocked over
11	1 55 p.m.	16		Chesnut st.	Wood	J. H. Hingray	General	Dwelling							Oil lantern knocked over
12	1 55 p.m.	16		Chesnut st.	Wood	J. H. Hingray	General	Dwelling							Oil lantern knocked over
13	1 55 p.m.	16		Chesnut st.	Wood	J. H. Hingray	General	Dwelling							Oil lantern knocked over
14	1 55 p.m.	16		Chesnut st.	Wood	J. H. Hingray	General	Dwelling							Oil lantern knocked over
15	1 55 p.m.	16		Chesnut st.	Wood	J. H. Hingray	General	Dwelling							Oil lantern knocked over
16	1 55 p.m.	16		Chesnut st.	Wood	J. H. Hingray	General	Dwelling							Oil lantern knocked over
17	1 55 p.m.	16		Chesnut st.	Wood	J. H. Hingray	General	Dwelling							Oil lantern knocked over
18	1 55 p.m.	16		Chesnut st.	Wood	J. H. Hingray	General	Dwelling							Oil lantern knocked over
19	1 55 p.m.	16		Chesnut st.	Wood	J. H. Hingray	General	Dwelling							Oil lantern knocked over
20	1 55 p.m.	16		Chesnut st.	Wood	J. H. Hingray	General	Dwelling							Oil lantern knocked over
21	1 55 p.m.	16		Chesnut st.	Wood	J. H. Hingray	General	Dwelling							Oil lantern knocked over
22	1 55 p.m.	16		Chesnut st.	Wood	J. H. Hingray	General	Dwelling							Oil lantern knocked over
23	1 55 p.m.	16		Chesnut st.	Wood	J. H. Hingray	General	Dwelling							Oil lantern knocked over
24	1 55 p.m.	16		Chesnut st.	Wood	J. H. Hingray	General	Dwelling							Oil lantern knocked over
25	1 55 p.m.	16		Chesnut st.	Wood	J. H. Hingray	General	Dwelling							Oil lantern knocked over
26	1 55 p.m.	16		Chesnut st.	Wood	J. H. Hingray	General	Dwelling							Oil lantern knocked over
27	1 55 p.m.	16		Chesnut st.	Wood	J. H. Hingray	General	Dwelling							Oil lantern knocked over
28	1 55 p.m.	16		Chesnut st.	Wood	J. H. Hingray	General	Dwelling							Oil lantern knocked over
29	1 55 p.m.	16		Chesnut st.	Wood	J. H. Hingray	General	Dwelling							Oil lantern knocked over
30	1 55 p.m.	16		Chesnut st.	Wood	J. H. Hingray	General	Dwelling							Oil lantern knocked over
31	1 55 p.m.	16		Chesnut st.	Wood	J. H. Hingray	General	Dwelling							Oil lantern knocked over

Schedule of all the Fires which Occurred in the City of

Date 1907	Time	Signal	Recall	Location	Wood, Brick or Stone	Owned by	Occupied by	Occupied as	Amount of Damage		Amount of Insurance		Amount of Insurance Paid		Cause of Fire	Date 1907
									Building	Contents	Building	Contents	Building	Contents		
Jan. 1	6 05 p m	222		Cheever st.	Wood	Geo. Thibault.	George Thibault.	Stable.							No school	Apr. 2
2	7 44 p m	28	8 24 p m	Concord st.	Brick	J. Billingsby.	Sever.	Dwelling.							Oil lantern knocked over	2
3	7 56 p m	Still		Merrimack st.	Brick	Dartmouth College.		Stores and offices.							Chimney	2
4	5 20 p m	Tel.		Middlesex st.	Wood	Davis & Sargent.		Dwelling.							Chimney	2
5	5 15 p m	Tel.		Central st.	Brick	A. C. Wheelock.	Green Chicken Feed Co.	Store and dwelling.	\$ 198 00	\$ 128 00	\$ 4,000 00	\$ 500 00	\$ 198 00	\$ 128 00	Defective chimney	2
6	3 59 a m	53	4 49 a m	E. Merrimack st.	Wood	J. Nesmith Estate.	P. J. Riley.	Stores and dwelling.							Sawdust	2
7	5 22 p m	Tel.		Summer st.	Wood	Mrs. Willard.	Unoccupied.	Junk shop.							Gas jet set waste	2
8	5 55 p m	Tel.		Bellevue st.	"	J. Dacey.	William Ryan.	Dwelling.				550 00			Drying plaster	2
9	1 40 p m	Still		Salem st.	"	J. M. G. Parker Est.	City.	Stores and dwelling.		8 00					Chimney	2
9	9 21 p m	46	9 27 p m	Bridge st.	Wood	Geo. Kimball Est.	William Ryan.	Dwelling.	47 50	128 00	1,500 00	800 00	47 50	128 00	Awning set by match	2
9	10 17 p m	Tel.		Chelmsford st.	Wood	Sever.	F. Laidlaw.	Dwelling.							Grass	2
10	8 50 a m	Tel.		Merrimack st.	Wood	Wm. Walker Est.	Sever.	Dwelling.							Chimney	2
10	8 29 p m	42	8 37 p m	Howard st.	Wood	P. Dempsey Est.	Unoccupied.	"	175 00		1,500 00		175 00		Gas jet set curtain	2
10	11 43 p m	Tel.		Chelmsford st.	Wood	J. Martell.	Sever.	"	1,550 00		2,000 00		1,550 00		Grass	2
12	5 55 p m	Still		Dempsey place.	"	J. Marin.	Unoccupied.	"							Stove smoking	2
14	7 30 p m	Tel.		Middlesex park.	"	J. Marin.	Sever.	"							Chimney	2
15	5 24 a m	371	5 55 a m	Front st.	"	Mrs. B. Sullivan.	"	"	189 00		1,500 00		189 00		Combustion oily rags	2
17	4 27 a m	46	7 25 a m	Lincoln st.	"	Maguire Bros.	"	"	12 50		5,000 00		12 50		Unknown	2
17	4 46 a m	2d 46	10 53 a m	Common st.	"	T. Lennon Est.	"	"							Same fire	2
17	9 14 a m	338		Dummer st.	"	P. Kelley.	William Andrews.	Limb Mfg.	42 50	15 00	3,200 00	1,000 00	42 50	15 00	Rags on stove (hot)	2
17	7 30 a m	Still		Davidson st.	Wood	Wm. Andrews.	William Andrews.	Limb Mfg.							Overheated stove set wood	2
17	7 36 a m	Tel.		Davidson st.	Wood	J. E. Hanlon.	J. E. Hanlon.	Dwelling.							Chimney	2
19	1 18 a m	Tel.		E. Bleachery st.	Wood	W. E. Somes Est.	Sever.	"	424 50		1,000 00		424 50		Chimney	2
20	1 51 a m	15	2 15 a m	A st.	Wood	J. Nesmith Est.	Sever.	"							Gas stove caused combustion	2
22	6 05 p m	222	7 31 p m	E. Merrimack st.	Wood	M. G. Morrison.	"	"							No school	2
22	7 12 p m	236		High st.	"	J. W. Wilson.	J. W. Wilson.	Dwelling.							Careless use of matches	2
23	12 50 p m	Tel.		E. Merrimack st.	"	M. Carp.	F. D. Green.	Bakeshop.	187 00		5,000 00		187 00		Steam escaping	2
23	5 16 a m	Tel.		Westford st.	"	W. Newman.	W. Newman.	Dwelling.							Oil lamp exploded	2
24	8 50 a m	Still		Branch st.	"	Mrs. E. Jewett.	Sever.	"	50 00		2,000 00		50 00		Thawing water pipe	2
24	8 58 a m	Tel.		Hampshire st.	"	Couway Transfer Co.	"	"	50 00		2,500 00		30 00		Overheated boiler	2
24	10 30 a m	Tel.		Fenwick st.	"	Mack.	George Watson.	Bakeshop.	155 00	46 25	2,500 00	700 00	155 00	46 25	Kettle of doughnut fat	2
24	11 30 p m	Tel.		Smith st.	Wood	Chas. Callahan.	Samuel Tompkins.	Dwelling.	35 00	6 00	800 00	180 00	35 00	6 00	Thawing water pipe	2
24	1 25 p m	325	1 34 p m	Rogers st.	Brick	Samuel Tompkins.	J. Burbank.	Millinery.	620 00		9,000 00		620 00		Supposed incendiary	2
24	5 58 p m	Still		Merrimack st.	Brick	Rugg Est.	Ideal Shoe Co.	Shoeshop.		813 42	6,500 00		813 42		Same fire	2
25	6 05 p m	222		"	"	"	M. L. Delude.	Millinery.		50 00	2,600 00		50 00		Same fire	2
25	7 20 p m	Still		Market st.	Wood	J. Nesmith Est.	Sever.	Dwelling.							Rubbish in closet	2
25	10 43 p m	23	11 59 p m	Lakeview ave.	"	A. C. Wheelock.	J. B. Cover & Co.	Stores and Workshop.	11,243 00	1,909 36	10,000 00	3,500 00	7,759 15	1,738 41	Supposed incendiary	2
26	3 19 p m	241	3 42 p m	Sbattuck st.	"	C. E. Hilliard.	R. V. Hilliard.	"		15 00					Same fire	2
28	7 15 a m	Still		"	"	"	C. E. Bunker.	"		304 00		600 00		304 00	Same fire	2
28	7 24 a m	113	7 57 a m	"	"	"	Taft Polish Co.	"		94 20		200 00		94 20	Same fire	2
28	9 31 a m	Tel.		Davidson st.	Wood	J. Nesmith Est.	J. B. Cover & Co.	Stores and Workshop.		15 00					Same fire	2
28	5 52 p m	125	12 10 a m	"	"	"	C. E. Bunker.	"		304 00		600 00		304 00	Same fire	2
28	5 56 p m	125	12 10 a m	"	"	"	Taft Polish Co.	"		94 20		200 00		94 20	Same fire	2
28	6 00 p m	2d 7	12 10 a m	"	"	"	J. Condon.	Pool room.		410 00		700 00		410 00	Same fire	2
28	6 00 p m	2d 7	12 10 a m	"	"	"	Baker Printing Co.	Printing office.		632 00	1,500 00		632 00		Same fire	2
28	6 00 p m	2d 7	12 10 a m	"	"	"	Lowell Hat Co.	Hat mfg.		759 15	800 00		759 15		Same fire	2
28	6 00 p m	2d 7	12 10 a m	"	"	"	William Wrigley.	Machinist.		448 46			448 46		Same fire	2
28	6 00 p m	2d 7	12 10 a m	"	"	"	Middlesex Plating Co.	Plating Co.		217 81			217 81		Same fire	2
28	6 00 p m	2d 7	12 10 a m	"	"	"	L. S. Kimball.	Roll coverer.		700 00			700 00		Same fire	2
28	6 00 p m	2d 7	12 10 a m	"	"	"	E. H. Severy.	"		1,404 72			1,404 72		Same fire	2
28	6 00 p m	2d 7	12 10 a m	"	"	"	John Horner.	"		1,200 00			1,200 00		Same fire	2
28	6 00 p m	2d 7	12 10 a m	"	"	"	Kirkley Hyde.	Macbinist.		25 00			25 00		Same fire	2
28	6 00 p m	2d 7	12 10 a m	"	"	"	Jean Laundry.	Laundry.		2,958 64			2,958 64		Same fire	2
28	6 00 p m	2d 7	12 10 a m	"	"	"	Paris Laundry.	Laundry.		411 66			411 66		Same fire	2
28	6 00 p m	2d 7	12 10 a m	"	"	"	A. G. Pollard & Co.	Storage.		11 25	5,000 00	8,800 00	21 00	11 25	Exposure	2
28	6 00 p m	2d 7	12 10 a m	"	Brick	W. A. Mack & Co.	W. A. Mack & Co.	Stove store.	21 00	11 25	5,000 00	8,800 00	21 00	11 25	Pumping out cellar	2
28	6 30 a m	Still		Market st.	Wood	G. F. Libby.	Sever.	Dwelling.	7 50		7,500 00		7 50		Gas leak	2
29	5 08 p m	65	5 16 p m	Aiken st.	Wood	S. Sirk.	Mrs. J. McCurdy.	"	20 00	10 00	8,000 00	800 00	20 00	10 00	Thawing water pipe	2
29	8 33 p m	Still		E. Merrimack st.	"	Dr. S. P. Smith.	"	"	3 70		700 00		3 70		Gas jet and curtain	2
31	6 08 p m	Still		School st.	"	"	"	"								
Feb. 1	7 55 p m	Tel.		Andover st.	"	A. Billingsby Est.	Sever.	"							Chimney	2
3	7 54 p m	Still		Chestnut st.	"	J. McCullough.	J. McCullough.	"							Chimney	2
4	1 30 a m	Tel.		Merrimack st.	Brick	G. N. Osgood.	B. A. Wing.	Lunch room.							Unknown supposed incendiary	2
4	1 27 p m	16	1 35 p m	Abbott st.	Wood	Mrs. B. Gilliard.	Sever.	Dwelling.							Hot stove pipe	2
5	7 45 a m	222		Coolidge st.	Wood	Geo. Husson.	Sever.	Store and dwelling.	225 00		3,000 00		225 00		No school	2
5	11 03 a m	28	11 31 a m	"	Wood	"	Sever.	"							Hot stove	2
5	1 15 p m	222		"	Wood	"	Sever.	"							No school	2
5	6 05 p m	222		"	Wood	"	Sever.	"							No school	2
5	8 29 p m	Still		Merrimack st.	Wood	T. F. Est.	Sever.	Dwelling.	110 00		800 00		110 00		Chimney	2
7	8 33 a m	Tel.		West Sixth st.	"	Ann Wallace Est.	"	"							Thawing water pipe	2
7	8 39 a m	132	8 59 a m	"	"	"	"	"							Same fire	2
8	4 15 p m	225	4 a m	Suffolk st.	"	A. C. Wheelock.	Mrs. Clark.	"	50 00		3,000 00		50 00		Spark set roof	2
8	5 58 p m	149	7 26 p m	Stackpole st.	"	Mrs. J. H. Clark.	Mrs. Clark.	"	67 00	181 75	2,000 00	3,000 00	67 00	181 75	Careless use of matches set lounge	2
9	3 35 p m	Still	10 10 p m	Warren st.	Brick	J. T. Stevens Est.	C. M. Dickey.	Hotel.	288 00	30 00	3,000 00	1,000 00	288 00	30 00	Hot asbes in barrel	2
11	12 46 p m	6		Cross st.	Brick	D. J. Donovan.	Mr. Marotte.	Dwelling.							Unknown careless use of matches	2
13	5 20 p m	Aut.	1 15 p m	Middle st.	Brick	J. M. G. Parker Est.	Sever.	Stores and offices.	39 00		2,000 00		39 00		Overheated thermostat	2
13	5 50 p m	Still		Salem st.	Wood	Mrs. Holland.	"	Dwelling.							Defective chimney	2
13	5 56 p m	Still		"	Wood	"	"	"							Defective chimney	2
14	3 10 p m	Tel.		Merrimack st.	"	J. P. Jewett Est.	"	"							Chimney	2
15	1 13 p m	Tel.		Morris court.	"	Thos. Morris.	Thomas Morris.	"							Chimney	2
15	10 52 p m	72	11 14 p m	Jackson st.	"	A. C. Wheelock.	Midd'x Construc'n Co.	Office.	300 00		500 00		300 00		Unknown	2
17	10 45 a m	Tel.		Branch st.	"	Branch-st. Church.	Branch-st. Church.	Church.							Smoke in basement	2
17	9 31 p m	28	9 43 p m	Tucker st.	"	D. H. Laporte.	Sever.	Dwelling.							Chimney	2
18	6 20 a m	24	6 28 a m	South st.	"	J. H. and P. Clark.	"	"	25 00		5,000 00		25 00		Match set curtain	2
19	8 25 p m	232	8 34 p m	Third st.	"	L. R. & D. H. Varnum.	"	"	36 50		1,500 00		36 50		Matches in coat pocket	2
19	10 14 p m	39	10 20 p m	Brooks st.	"	H. Staples Est.	"	"	1,500 00	1,600 00	1,500 00	1,600 00	1,500 00	1,600 00	Thawing water pipe	2
22	8 33 a m	Tel.		Fremont st.	"	F. C. Beharrell.	F. C. Beharrell.	"							Same fire	2
22	8 38 a m	68	10 21 a m	"	"	"	"	"							Grease on stove	2
22	11 54 a m	82	12 01 p m	Howard st.	"	M. Cohen.	J. Weiss.	"							Rekindled	2
22	1 15 p m	Tel.		Fremont st.	"	F. C. Beharrell.	F. C. Beharrell.	"							Thawing water pipe	2
23	7 06 a m	Tel.		Suffolk court.	"	A. C. Wheelock.	Sever.	"							Gas leak	2
23	6 30 p m	Still		Tremont st.	"	G. C. Dempsey.	"	"							Chimney	2
23	11 36 p m	52	11 54 p m	Merrimack st.	Brick	Dr. M. G. Parker.	"	"							Children and matches	2
24	10 30 a m	Still		Pleasant st.	Wood	J. Whittet.	"	"							Electric wire set gas	2
24	4 14 p m	Tel.		Merrimack st.	Brick	So. Cong. Meeting Ho.	One Price Clothing Co.	Clothing.	20 00		22,500 00		20 00		Thawing water pipe	2
24	5 00 p m	Still	</													

City of Lowell during the Year ending December 31, 1907

	Date 1907	Time	Signal	Recall	Location	Wood, Brick or Stone	Owned by	Occupied by	Occupied as	Amount of Damage		Amount of Insurance		Amo't of Insurance Pd		Cause of Fire
										Building	Contents	Building	Contents	Building	Contents	
	Apr. 21	5 27 p m	235	5 35 p m	Off Rogers st		B. & M. R. R.									Grass
	21	5 37 p m	Still		Woodward ave		1. M. Chase Est.									Brush
	21	5 37 p m	31	8 05 p m	Fayette st.	Wood	E. Tracy	H. Wilson	Dwelling	25 00		1,000 00		25 00		Oil lamp exploded
	22	11 21 a m	338	11 38 a m	Lincoln st.		Mary Haffely	M. Haffely	"	20 00		1,800 00		20 00		Spark set roof
	22	11 26 a m	Tel.		Corey st.		Several									Brush
	22	12 05 p m	Tel.		"		"									Brush
	22	12 19 p m	371	2 16 p m	"		"									Brush
	22	12 23 p m	215	12 51 p m	Gorham st.		Middlesex No. Asso.									Grass
	22	2 12 p m	Tel.		Wood st.		J. Bowers									Brush
	22	2 30 p m	371	4 14 p m	Wood st.		J. Bowers									Brush
	22	2 57 p m	Tel.		Corey st.		Several									Brush
	22	4 15 p m	Still		Faulkner st.		Bay State Mills									Grass
	22	5 02 p m	55	5 08 p m	Dutton st.	Wood	L. M. Shop.	Several	Dwelling							Spark set roof
	22	9 50 p m	Tel.		Inland st.											Grass
	23	12 20 a m	Tel.		Stevens st.		O. J. Gilbert									Grass
	23	8 46 a m	113	9 09 a m	Pollard ave	Wood	J. Nesmith Est.	Several	Dwelling	185 00		500 00		185 00		Hot stove
	24	11 09 a m	Tel.		New st		Mrs. Mahoney	Mrs. Mahoney								Chimney
	24	8 20 p m	Still		Shattuck st.	Brick	Hatbaway Theatre		Theatre							Cigar stub
	24	9 10 p m	Tel.		Starbird st.	Wood	J. Buckley	J. Buckley	Hen House							Incubator
	25	9 50 a m	Tel.		Merrimack st.		P. Teague	Charlie Lem.	Laundry							Hot stove
	25	4 55 p m	Tel.		Wright st.		Thos. Dunn									Grass
	25	6 47 p m	235	6 57 p m	High st.		Syndicate									Grass
	26	11 20 a m	Still		Woodward ave.		Lowell Gen. Hospital.									Grass
	26	1 10 p m	Still		Varnum ave.		"									Brush
	26	1 18 p m	Tel.		"		"									Same fire
	26	2 08 p m	Tel.		Pleasant st.	Wood	Hugh Duggan	Hugh Duggan	Dwelling							Chimney
	27	3 58 a m	39	4 05 a m	Broadway st.		City		Wood Shed							Spark set sawdust
	27	11 42 a m	Aut.		Stackpole st.	Brick	Newport Shoe Co.	Newport Shoe Co.	Shoe Mfg.							Overheated thermostat
	27	3 16 p m	215	3 26 p m	Gorham st.		Middlesex No. Asso.									Grass
	27	4 00 p m	Still		Middlesex st.	Wood	Winn		Base Ball Grand Stand							Cigar stub
	27	4 48 p m	215	5 02 p m	Washer st.		T. Donohoe	T. Donohoe	Hen House							Grass set hen house
	27	6 08 p m	Tel.		Border st.		Robinson Bros.	Robinson Bros.	Foundry							Spark set roof
	28	9 00 a m	Still		Paige st.		Hildreth Est.	Several	Dwelling							Overheated stovepipe
	28	10 30 a m	Still		Merrimack st.		F. J. Ladd		Store							Boiler smoking
	28	3 35 p m	Tel.		Howe st		A. Conway		Dwelling							Chimney
	29	9 20 p m	Tel.		Central st.	Brick	T. F. Hoban	T. F. Hoban	Hotel							Kettle of fat on stove
	30	10 57 a m	Tel.		West Sixth st.	Wood	J. Green	J. Green	Dwelling							Hot stove set wood
	30	12 45 p m	Tel.		Woodward ave.		David Clark									Grass
	30	6 45 p m	Still		School st		City	City	Bridge							Cigar stub
May	1	10 10 a m	Tel.		Fox st		City									Brush
	1	1 48 p m	Still		Gorham st		St. Peter's Cemetery									Grass
	1	7 52 p m	Tel.		Tanner st		W. S. Watson		Dump							Dump
	2	11 25 a m	Tel.		Westford st.		Several									Brush
	2	2 35 p m	Still		Dutton st.		A. C. Wheelock									Match set sawdust
	2	5 01 p m	38	5 14 p m	Manchester st.		Parker Est.									Grass
	2	8 00 p m	Tel.		Lewis st.	Wood	J. S. Soothur	Several	Dwelling							Chimney
	3	4 00 p m	Tel.		Woodward ave.		J. C. Ayer Est.	Several	Dwelling							Tree
	4	6 15 a m	Still		Dempsey place.	Wood	P. Dempsey Est.	Several	Dwelling							Chimney
	4	7 50 p m	Tel.		Market st.		R. G. Bartlett.	"	"							Oil stove
	8	9 08 p m	216	9 25 p m	Wamesit st.		A. C. Wheelock	"	"							Children and matches
	9	1 12 p m	Tel.		Nesmith st.		N. M. Wright Est.	"	"							Chimney
	10	12 20 p m	Tel.		Cross st.		J. J. Higgins	"	"							
	10	1 15 p m	Tel.		Aiken st.		Locks & Canals.		Dump							Dump
	11	6 51 p m	53	6 58 p m	Wildor st.	Wood	D. Gage Est.	Several	Dwelling							Chimney
	12	8 27 p m	Tel.		Post Office Square.	Brick	Glidden & Hood	G. H. Bachelder	Bicycles, etc.		6 00		1,900 00		6 00	Careless use of match
	12	9 25 p m	Tel.		Off Stevens st.		Several									Brush
	13	7 18 p m	Tel.		Off Stevens st.											Brush
	13	9 28 p m	Tel.		Dracut	Wood	Frank Bogeiske	F. Bogeiske	Dwelling							
	15	9 28 p m	Tel.		Gorham st.		M. Corbett	Several	"	50 00		1,500 00		50 00		Gas jet set wood
	15	1 40 p m	Tel.		First st.		Kate Gorden	Several	Dwelling							Rubbish
	15	7 50 p m	Still		North st.	Wood	W. McLarney	Several	Dwelling							Chimney
	16	1 35 p m	Still		Linden st.		Mrs. McHugh									Grass
	18	8 20 p m	Still		Third st.	Wood	Mrs. E. P. Simpson	Several	Dwelling							Rags in barrel (combustion)
	20	12 13 p m	138	12 25 p m	Weed st.		Mrs. McNeill									Chimney
	21	12 12 a m	Tel.		Broadway st		City	City	Shed							Unknown
	21	10 30 a m	Tel.		Jackson st.	Brick	Hamilton Corp.	Hamilton Corp.	Mill							Unknown
	21	12 19 p m	225	12 30 p m	Wornton st.	Wood	J. Lynch est.	Several	Dwelling	45 00		1,200 00		45 00		Rats' nest in partition
	21	1 55 p m	Tel.		Marginal st.		Boston & Maine R. R.									Grass
	22	10 10 a m	19	10 23 a m	Gorham st.	Wood	M. Corbett		Fruit Store							Hot stovepipe set bags
	22	12 11 p m	215	12 36 p m	Meadowcroft st.		T. Dooley	T. Dooley	Stable	53 00		1,500 00		53 00		Spark set roof
	22	5 35 p m	Tel.		Fayette st.		John Rotte	J. Rotte	"	15 00		200 00		15 00		Children and matches
	22	5 40 p m	Tel.		Fayette st.		John Rotte	J. Rotte	"							Same fire
	22	6 12 p m	Tel.		Rogers st.		Syndicate									Grass
	22	6 35 p m	Tel.		Tolman ave.		Connors Bros.									Brush
	22	7 45 p m	Still		Lawrence st.	Wood	E. Johnson est		Market							Chimney
	24	4 20 p m	Still		Bridge st.		Miss A. Merrell	Miss A. Merrell	Dwelling							Gas leak
	24	5 46 p m	261	7 16 p m	Crosby st.		U. S. Bunting Co.	U. S. Bunting Co.	Mill	14,243 50		19,000 00		14,243 50		Spark set lint
	24	5 55 p m	261 2d	7 16 p m	Crosby st.		Wamesit Power Co.	U. S. Bunting Co.	"	4,995 93		61,150 00		4,995 98		Same fire
	25	9 16 a m	28	9 26 a m	Cheever st.		G. Boynton	Several	Dwelling							Stove smoking
	25	11 20 a m	5	11 26 a m	Hayden st.		S. P. Hebert.	S. P. Hebert.	Stable		10 00		450 00		10 00	Spark set hay
	25	4 15 p m	Still		Fletcher st.		B. and N. R. R.	B. and N. R. R.	Car							Defective motor
	25	6 05 p m	Tel.		Pine st.		City		Dump							Dump
	27	12 20 p m	Tel.		Hall st.		Locks & Canals.	Locks & Canals.								Dump
	27	2 00 p m	Tel.		Huntington ave.	Wood	C. Whidden	C. Whidden	Dwelling							Overheated fireplace
	27	2 45 p m	Tel.		Moody st.		D. J. Murphy	Several								Chimney
	28	1 09 a m	Tel.		Gorham st.		A. L. Field	A. L. Field	Druggist	75 00	26 00	3,000 00	2,000 00	75 00	26 00	Electric wires
	28	6 45 a m	132	7 05 a m	Puffer ave		J. H. McCabe	J. H. McCabe	Dwelling	45 00		700 00		45 00		Child and match set clothes in closet
	28	1 00 p m	Still		Westford st.		E. A. aud E. T. Smith		Tar Kettle							Tar kettle caught fire
	28	6 03 p m	19	6 08 p m	Davis st	Wood	J. Flynn	Several	Dwelling							Chimney
	28	6 27 p m	Still		Fayette st		A. C. Wheelock	"	"							"
	30	4 38 p m	182	4 48 p m	Westford st		S. Albert		"	85 40		5,000 00		85 40		Ash barrel
	30	10 15 p m	125	10 24 p m	Suffolk st		Dr. C. A. Daley	S. Tumbuhaloges	Grocer		10 00		500 00		10 00	Rubbish in barrel
	31	1 05 p m	Tel.		Market st.		P. H. Savage	Several	Dwelling							Rubbish in cellar
June	1	12 54 p m	415	1 21 p m	Lawrence st		W. H. Wiggins									Brush
	1	2 15 p m	Tel.		Lawrence st		W. H. Wiggins									Brush
	2	11 55 p m	Still		Fayette st	Wood	Peter Tully	Several	Dwelling							Chimney
	2	6 55 p m	Still		Sixth st		Electric Light Corp.		Pole							Electric wires
	3	7 15 a m	222		"											No school
	3	11 37 p m	63	11 49 p m	Howard st	Wood	A. Wolfson	P. Sahlad	Dwelling	45 00	56 39	3,550 00	300 00	45 00	56 39	Clothes in closet
	4	12 35 a m	21	12 50 a m	Kirk st	Brick	A. Bagley	Mrs. M. Fitzgerald	"	25 78	24 00	1,900 00	2,000 00	25 78	24 00	Unknown, supposed incendiary
	4	9 30 a m	Tel.		Central st	Wood	A. W. Dows Est.	Several	"	25 00		6,000 00		25 00		Rubbish in cellar
	5	2 29 p m	25	2 36 p m	Prince st.	Brick	S. Sirk	"	"	10 00		1,125 00		10 00		Clothes in closet
	5	6 40 p m	Tel.		Watson st.	Wood	T. McMahon	T. McMahon	"	972 00	438 00	2,000 00	1,000 00	972 00	438 00	Rats' nest under floor
	5	6 43 p m	37	7 35 p m	Watson st.		T. McMahon	T. McMahon	"							Same fire
	8	7 26 a m	Still		First st		H. B. Hill	H. B. Hill	Ash Barrel							Hot ashes
	8	10 35 a m	Tel.		East Meadow Rd.		D. Gage Est.	Several	Dwelling							Chimney
	8	1 08 p m	Tel.		E. Merrimack st.		Dr. Martin									"
	8	1 56 p m	5	2 02 p m	Fletcher st		N. Vallerand		Tar Kettle							Tar kettle
	8	11 46 p m	7	11 54 p m	Dutton st	Brick	Mathew Tem. Inst.	Mary McBride	Millinery							

[illegible]

*Out of the City

Schedule of all the Fires which Occurred in the City of Lowell during the Year ending December 31, 1907—Continued

Cause of Fire										Cause of Fire																		
Date	Time	Signal	Recall	Location	Wood, Brick or Stone	Owned by	Occupied by	Occupied as	Amount of Damage	Amount of Insurance	Amount of Insurance Paid	Cause of Fire	Date	Time	Signal	Recall	Location	Wood, Brick or Stone	Owned by	Occupied by	Occupied as	Amount of Damage	Amount of Insurance	Amount of Insurance Paid	Cause of Fire			
Hour	Min	Sec	Min	Sec	Min	Min	Min	Min	Building	Contents	Building	Contents	Building	Contents	Hour	Min	Sec	Min	Sec	Min	Min	Min	Building	Contents	Building	Contents	Building	Contents
July 20	30	a.m.	3	9	42	a.m.	Mauchester st.	Wood	P. McMahon	P. McMahon	Huelling				Oct. 12	12	34	p.m.	Tel.	West Third st.	Wood	C. S. Upson	C. S. Upson	Dwelling				Carless use of match set sawdust
21	30	a.m.	3	9	42	a.m.	Mauchester st.	Wood	P. McMahon	P. McMahon	Huelling				13	10	30	p.m.	Tel.	W. Lavery	W. Lavery	Dwelling						
22	30	a.m.	3	9	42	a.m.	Mauchester st.	Wood	P. McMahon	P. McMahon	Huelling				14	10	30	p.m.	Tel.	W. Lavery	W. Lavery	Dwelling						
23	30	a.m.	3	9	42	a.m.	Mauchester st.	Wood	P. McMahon	P. McMahon	Huelling				15	10	30	p.m.	Tel.	W. Lavery	W. Lavery	Dwelling						
24	30	a.m.	3	9	42	a.m.	Mauchester st.	Wood	P. McMahon	P. McMahon	Huelling				16	10	30	p.m.	Tel.	W. Lavery	W. Lavery	Dwelling						
25	30	a.m.	3	9	42	a.m.	Mauchester st.	Wood	P. McMahon	P. McMahon	Huelling				17	10	30	p.m.	Tel.	W. Lavery	W. Lavery	Dwelling						
26	30	a.m.	3	9	42	a.m.	Mauchester st.	Wood	P. McMahon	P. McMahon	Huelling				18	10	30	p.m.	Tel.	W. Lavery	W. Lavery	Dwelling						
27	30	a.m.	3	9	42	a.m.	Mauchester st.	Wood	P. McMahon	P. McMahon	Huelling				19	10	30	p.m.	Tel.	W. Lavery	W. Lavery	Dwelling						
28	30	a.m.	3	9	42	a.m.	Mauchester st.	Wood	P. McMahon	P. McMahon	Huelling				20	10	30	p.m.	Tel.	W. Lavery	W. Lavery	Dwelling						
29	30	a.m.	3	9	42	a.m.	Mauchester st.	Wood	P. McMahon	P. McMahon	Huelling				21	10	30	p.m.	Tel.	W. Lavery	W. Lavery	Dwelling						
30	30	a.m.	3	9	42	a.m.	Mauchester st.	Wood	P. McMahon	P. McMahon	Huelling				22	10	30	p.m.	Tel.	W. Lavery	W. Lavery	Dwelling						
Aug. 1	30	a.m.	3	9	42	a.m.	Mauchester st.	Wood	P. McMahon	P. McMahon	Huelling				23	10	30	p.m.	Tel.	W. Lavery	W. Lavery	Dwelling						
2	30	a.m.	3	9	42	a.m.	Mauchester st.	Wood	P. McMahon	P. McMahon	Huelling				24	10	30	p.m.	Tel.	W. Lavery	W. Lavery	Dwelling						
3	30	a.m.	3	9	42	a.m.	Mauchester st.	Wood	P. McMahon	P. McMahon	Huelling				25	10	30	p.m.	Tel.	W. Lavery	W. Lavery	Dwelling						
4	30	a.m.	3	9	42	a.m.	Mauchester st.	Wood	P. McMahon	P. McMahon	Huelling				26	10	30	p.m.	Tel.	W. Lavery	W. Lavery	Dwelling						
5	30	a.m.	3	9	42	a.m.	Mauchester st.	Wood	P. McMahon	P. McMahon	Huelling				27	10	30	p.m.	Tel.	W. Lavery	W. Lavery	Dwelling						
6	30	a.m.	3	9	42	a.m.	Mauchester st.	Wood	P. McMahon	P. McMahon	Huelling				28	10	30	p.m.	Tel.	W. Lavery	W. Lavery	Dwelling						
7	30	a.m.	3	9	42	a.m.	Mauchester st.	Wood	P. McMahon	P. McMahon	Huelling				29	10	30	p.m.	Tel.	W. Lavery	W. Lavery	Dwelling						
8	30	a.m.	3	9	42	a.m.	Mauchester st.	Wood	P. McMahon	P. McMahon	Huelling				30	10	30	p.m.	Tel.	W. Lavery	W. Lavery	Dwelling						
9	30	a.m.	3	9	42	a.m.	Mauchester st.	Wood	P. McMahon	P. McMahon	Huelling				31	10	30	p.m.	Tel.	W. Lavery	W. Lavery	Dwelling						
10	30	a.m.	3	9	42	a.m.	Mauchester st.	Wood	P. McMahon	P. McMahon	Huelling																	
11	30	a.m.	3	9	42	a.m.	Mauchester st.	Wood	P. McMahon	P. McMahon	Huelling																	
12	30	a.m.	3	9	42	a.m.	Mauchester st.	Wood	P. McMahon	P. McMahon	Huelling																	
13	30	a.m.	3	9	42	a.m.	Mauchester st.	Wood	P. McMahon	P. McMahon	Huelling																	
14	30	a.m.	3	9	42	a.m.	Mauchester st.	Wood	P. McMahon	P. McMahon	Huelling																	
15	30	a.m.	3	9	42	a.m.	Mauchester st.	Wood	P. McMahon	P. McMahon	Huelling																	
16	30	a.m.	3	9	42	a.m.	Mauchester st.	Wood	P. McMahon	P. McMahon	Huelling																	
17	30	a.m.	3	9	42	a.m.	Mauchester st.	Wood	P. McMahon	P. McMahon	Huelling																	
18	30	a.m.	3	9	42	a.m.	Mauchester st.	Wood	P. McMahon	P. McMahon	Huelling																	
19	30	a.m.	3	9	42	a.m.	Mauchester st.	Wood	P. McMahon	P. McMahon	Huelling																	
20	30	a.m.	3	9	42	a.m.	Mauchester st.	Wood	P. McMahon	P. McMahon	Huelling																	
21	30	a.m.	3	9	42	a.m.	Mauchester st.	Wood	P. McMahon	P. McMahon	Huelling																	
22	30	a.m.	3	9	42	a.m.	Mauchester st.	Wood	P. McMahon	P. McMahon	Huelling																	
23	30	a.m.	3	9	42	a.m.	Mauchester st.	Wood	P. McMahon	P. McMahon	Huelling																	
24	30	a.m.	3	9	42	a.m.	Mauchester st.	Wood	P. McMahon	P. McMahon	Huelling																	
25	30	a.m.	3	9	42	a.m.	Mauchester st.	Wood	P. McMahon	P. McMahon	Huelling																	
26	30	a.m.	3	9	42	a.m.	Mauchester st.	Wood	P. McMahon	P. McMahon	Huelling																	
27	30	a.m.	3	9	42	a.m.	Mauchester st.	Wood	P. McMahon	P. McMahon	Huelling																	
28	30	a.m.	3	9	42	a.m.	Mauchester st.	Wood	P. McMahon	P. McMahon	Huelling																	
29	30	a.m.	3	9	42	a.m.	Mauchester st.	Wood	P. McMahon	P. McMahon	Huelling																	
30	30	a.m.	3	9	42	a.m.	Mauchester st.	Wood	P. McMahon	P. McMahon	Huelling																	
Sept. 1	30	a.m.	3	9	42	a.m.	Mauchester st.	Wood	P. McMahon	P. McMahon	Huelling																	
2	30	a.m.	3	9	42	a.m.	Mauchester st.	Wood	P. McMahon	P. McMahon	Huelling																	
3	30	a.m.	3	9	42	a.m.	Mauchester st.	Wood	P. McMahon	P. McMahon	Huelling																	
4	30	a.m.	3	9	42	a.m.	Mauchester st.	Wood	P. McMahon	P. McMahon	Huelling																	
5	30	a.m.	3	9	42	a.m.	Mauchester st.	Wood	P. McMahon	P. McMahon	Huelling																	
6	30	a.m.	3	9	42	a.m.	Mauchester st.	Wood	P. McMahon	P. McMahon	Huelling																	
7	30	a.m.	3	9	42	a.m.	Mauchester st.	Wood	P. McMahon	P. McMahon	Huelling																	
8	30	a.m.	3	9	42	a.m.	Mauchester st.	Wood	P. McMahon	P. McMahon	Huelling																	
9	30	a.m.	3	9	42	a.m.	Mauchester st.	Wood	P. McMahon	P. McMahon	Huelling																	
10	30	a.m.	3	9	42	a.m.	Mauchester st.	Wood	P. McMahon	P. McMahon	Huelling																	
11	30	a.m.	3	9	42	a.m.	Mauchester st.	Wood	P. McMahon	P. McMahon	Huelling																	
12	30	a.m.	3	9	42	a.m.	Mauchester st.	Wood	P. McMahon	P. McMahon	Huelling																	
13	30	a.m.	3	9	42	a.m.	Mauchester st.	Wood	P. McMahon	P. McMahon	Huelling																	
14	30	a.m.	3	9	42	a.m.	Mauchester st.	Wood	P. McMahon	P. McMahon	Huelling																	
15	30	a.m.	3	9	42	a.m.	Mauchester st.	Wood	P. McMahon	P. McMahon	Huelling																	
16	30	a.m.	3	9	42	a.m.	Mauchester st.	Wood	P. McMahon	P. McMahon	Huelling																	
17	30	a.m.	3	9	42	a.m.	Mauchester st.	Wood	P. McMahon	P. McMahon	Huelling																	
18	30	a.m.	3	9	42	a.m.	Mauchester st.	Wood	P. McMahon	P. McMahon	Huelling																	
19	30	a.m.	3	9	42	a.m.	Mauchester st.	Wood	P. McMahon	P. McMahon	Huelling																	
20	30	a.m.	3	9	42	a.m.	Mauchester st.	Wood	P. McMahon	P. McMahon	Huelling																	
21	30	a.m.	3	9	42	a.m.	Mauchester st.	Wood	P. McMahon	P. McMahon	Huelling																	
22	30	a.m.	3	9	42	a.m.	Mauchester st.	Wood	P. McMahon	P. McMahon	Huelling																	
23	30	a.m.	3	9	42	a.m.	Mauchester st.	Wood	P. McMahon	P. McMahon	Huelling																	
24	30	a.m.	3	9	42	a.m.	Mauchester st.	Wood	P. McMahon	P. McMahon	Huelling																	
25	30	a.m.	3	9	42	a.m.	Mauchester st.	Wood	P. McMahon	P. McMahon	Huelling																	
26	30	a.m.	3	9	42	a.m.	Mauchester st.	Wood	P. McMahon	P. McMahon	Huelling																	
27	30	a.m.	3	9	42	a.m.	Mauchester st.	Wood	P. McMahon	P. McMahon	Huelling																	
28	30	a.m.	3	9	42	a.m.	Mauchester st.	Wood	P. McMahon	P. McMahon	Huelling																	
29	30	a.m.	3	9	42	a.m.	Mauchester st.	Wood	P. McMahon	P. McMahon	Huelling																	
30	30	a.m.	3	9	42	a.m.	Mauchester st.	Wood	P. McMahon	P. McMahon	Huelling																	
Oct. 1	30	a.m.	3	9	42	a.m.	Mauchester st.	Wood	P. McMahon	P. McMahon	Huelling																	
2	30	a.m.	3	9	42	a.m.	Mauchester st.	Wood	P. McMahon	P. McMahon	Huelling																	
3	30	a.m.	3	9	42	a.m.	Mauchester st.	Wood	P. McMahon	P. McMahon	Huelling																	
4	30	a.m.	3	9	42	a.m.	Mauchester st.	Wood	P. McMahon	P. McMahon	Huelling																	
5	30	a.m.	3	9	42	a.m.	Mauchester st.	Wood	P. McMahon	P. McMahon	Huelling																	
6	30	a.m.	3	9	42	a.m.	Mauchester st.	Wood	P. McMahon	P. McMahon	Huelling																	

Schedule of all the Reported Fires which Occurred in the City of Lowell during the Year ending December 31, 1907

Date 1907	Location	Wood, Brick or Stone	Owned by	Occupied by	Occupied as	Amount of Damage		Amount of Insurance		Am't of Insurance Pd		Cause of Fire	Date 1907	Location	Wood, Brick or Stone	Owned by	Occupied by	Occupied as	Amount of Damage		Amount of Insurance		Am't of Insurance Pd		Cause of Fire	
						Building	Contents	Building	Contents	Building	Contents									Building	Contents	Building	Contents	Building	Contents	
January	9 Wortham st.	Wood	Peter Riley	Peter Riley	Auto	12 00	413 45	1,500 00	12 00	413 45	Gasoline leak	June	9 Harrison st.	Wood	Annie Hard	Annie Hard	Dwelling	20 00	26 25	3,000 00	500 00	20 00	26 25	Gas jet set curtain		
	11 Warren st.	"	H. B. Fish	Ely Robt. Linn	Dwelling	16 00	20 95	3,000 00	16 00	20 95	Gasoline use of matches		11 Cabot st.	"	Moses Duffin	Moses Duffin	Dwelling	61 00	10 00	200 00	50 00	61 00	10 00	Unknown		
	12 John at Riley	"	Rose Corcoran	Rose Corcoran	"	15 00	2,400 00	1,500 00	16 45	15 00	Unknown		17 Bayley st.	"	John Goddard	John Goddard	Junk Shop	195 62	1,200 00	1,200 00	195 62	1,200 00	195 62	Unknown		
	13 Cabot st.	Brick	Edw. J. Neal	Edw. J. Neal	"	15 00	2,400 00	1,500 00	16 45	15 00	Unknown		21 Hampshire st.	"	Ed. Delancey	Ed. Delancey	Dwelling	11 75	15 00	400 00	11 75	15 00	400 00	Fire in pocket		
	14 South Winder st.	"	Tremont & Suffolk Mfg. Co.	Tremont & Suffolk Mfg. Co.	"	15 00	2,400 00	1,500 00	16 45	15 00	Unknown		22 Albany st.	"	Peter Mann	Peter Mann	"	38 68	17 24	7,000 00	1,500 00	38 68	17 24	Gas stove		
	15 Mosely st.	"	W. H. Thayer	W. H. Thayer	"	15 00	2,400 00	1,500 00	16 45	15 00	Unknown		23 Foster st.	"	E. Lachance	E. Lachance	"	3 00	3 00	500 00	3 00	3 00	500 00	Pipe in pocket		
	16 Ben at	"	W. J. Fylen	W. J. Fylen	"	15 00	2,400 00	1,500 00	16 45	15 00	Unknown		24 Smith st.	"	D. Demott	D. Demott	"	85 35	32 00	1,000 00	85 35	32 00	1,000 00	Fire in tub		
	17 Merrimack at	"	M. O'Flaherty	M. O'Flaherty	"	15 00	2,400 00	1,500 00	16 45	15 00	Unknown		25 West Third st.	"	W. G. Hagls	W. G. Hagls	"	12 00	12 00	2,000 00	12 00	12 00	2,000 00	Fire crackers		
	18 Walker at	"	A. Archambault	A. Archambault	"	17 50	10 00	4,500 00	10 00	10 00	Gasoline use of matches		26 West Third st.	"	H. De C.	H. De C.	"	15 00	2,000 00	15 00	15 00	2,000 00	15 00	15 00	Fire crackers	
	19 Leonard at	"	E. A. Jones	E. A. Jones	"	11 00	11 00	500 00	11 00	11 00	Gas jet set bed clothes		27 Merriamack st.	"	G. H. McKenna	G. H. McKenna	"	5 00	5 00	2,000 00	5 00	5 00	2,000 00	Fire crackers		
	20 A st.	"	J. J. Conner	J. J. Conner	"	3 00	3 00	500 00	3 00	3 00	Gas jet set bed clothes		28 Dighton st.	"	M. L. Delude	M. L. Delude	"	2,800 00	1,000 00	2,800 00	50 58	50 58	2,800 00	50 58	Carless use of taper	
	21 Jewett st.	"	Charles Mack	Charles Mack	"	7 50	5 00	1,000 00	7 50	5 00	Hot ashes set carpet		29 Hildesheim st.	"	D. E. Harris	D. E. Harris	"	2,500 00	2,500 00	2,500 00	24 28	24 28	2,500 00	24 28	Carless use of matches	
	22 Grove st.	"	H. R. Frye	H. R. Frye	"	12 50	4,000 00	1,000 00	12 50	4,000 00	Water pump set carpet		30 Westworth ave.	"	Nancy Floyd	Nancy Floyd	"	30 00	2,000 00	30 00	30 00	2,000 00	30 00	30 00	Lightning	
	23 Race st.	"	M. A. Griffith	M. A. Griffith	"	20 00	30 00	2,500 00	20 00	30 00	Thawing water pipe		31 Pine st.	"	E. W. Trueman	E. W. Trueman	"	98 00	1,500 00	98 00	98 00	1,500 00	98 00	98 00	Lightning	
		"	Several	Several	"	8 00	5 00	4,000 00	8 00	5 00	Thawing water pipe		32 Shattuck st.	"	W. E. Trueman	W. E. Trueman	"	24 28	2,000 00	24 28	24 28	2,000 00	24 28	24 28	Lightning	
February	1 Crescent st.	"	J. S. Carlson	J. S. Carlson	"	46 50	2 87	1,000 00	46 50	2 87	Gas jet set curtain		33 Fayette st.	"	A. H. Haggerty	A. H. Haggerty	"	41 50	32 00	41 50	41 50	32 00	41 50	41 50	"	
	2 Merrimack at	"	Parker and Morrison	Parker and Morrison	"	20 50	400 00	20 50	20 50	400 00	Overheated stove		34 Hildesheim st.	Wood	H. A. Hopewell	H. A. Hopewell	"	97 00	10 00	3,000 00	97 00	10 00	3,000 00	97 00	"	
	3 W. L. M. at	"	R. P. Cranford	R. P. Cranford	"	12 25	12 25	500 00	12 25	12 25	Children on stove		35 West Third st.	"	A. J. Atwell	A. J. Atwell	"	15 00	1,000 00	15 00	15 00	1,000 00	15 00	15 00	"	
	4 Howard st.	"	R. Cohen	R. Cohen	"	7 00	300 00	1,500 00	7 00	300 00	Children and matches		36 Cottage st.	"	Charles Murphy	Charles Murphy	"	82 91	12 00	1,200 00	82 91	12 00	1,200 00	82 91	"	
	5 Rankin st.	"	John Stott Est.	John Stott Est.	"	15 00	4,200 00	1,500 00	15 00	4,200 00	Gasoline use of matches		37 Merriamack st.	"	William Flagg	William Flagg	"	12 00	5,000 00		12 00	5,000 00		12 00	"	
	6 Howard st.	"	M. Cohen	M. Cohen	"	12 00	12 00	2,000 00	12 00	12 00	Thawing water pipe		38 Fayette st.	"	Wm. Cogger	Wm. Cogger	"	5 00	5,500 00		5 00	5,500 00		5 00	"	
	7 W. L. M. at	"	Walter Mossey	Walter Mossey	"	12 00	12 00	2,000 00	12 00	12 00	Thawing water pipe		39 Hildesheim st.	"	D. E. Harris	D. E. Harris	"	2,500 00	2,500 00		2,500 00	2,500 00		2,500 00	"	
	8 W. L. M. at	"	W. E. Newton	W. E. Newton	"	10 00	10 00	600 00	10 00	10 00	Thawing water pipe		40 West Third st.	"	A. J. Atwell	A. J. Atwell	"	15 00	1,000 00		15 00	1,000 00		15 00	"	
	9 W. L. M. at	"	Dr. G. H. Leachy	Dr. G. H. Leachy	"	3 00	3 00	1,000 00	3 00	3 00	Gas jet set curtain		41 Hildesheim st.	"	Charles Murphy	Charles Murphy	"	82 91	12 00	1,200 00	82 91	12 00	1,200 00	82 91	"	
	10 W. L. M. at	"	Dr. G. H. Leachy	Dr. G. H. Leachy	"	3 00	3 00	1,000 00	3 00	3 00	Gasoline use of matches		42 West Third st.	"	William Flagg	William Flagg	"	12 00	5,000 00		12 00	5,000 00		12 00	"	
March	1 Langshire at	"	Several	Several	"	5 00	12 00	3,000 00	5 00	12 00	Overheated stove		43 Fayette st.	"	Wm. Cogger	Wm. Cogger	"	5 00	5,500 00		5 00	5,500 00		5 00	"	
	2 Agassiz at	"	J. S. Carlson	J. S. Carlson	"	46 50	2 87	1,000 00	46 50	2 87	Gasoline use of matches		44 Hildesheim st.	"	D. E. Harris	D. E. Harris	"	2,500 00	2,500 00		2,500 00	2,500 00		2,500 00	"	
	3 Tanner at	"	P. J. Riley	P. J. Riley	Junk Shop	317 50	3,200 00	1,000 00	317 50	3,200 00	Overheated stove		45 Hildesheim st.	"	D. E. Harris	D. E. Harris	"	2,500 00	2,500 00		2,500 00	2,500 00		2,500 00	"	
	4 W. L. M. at	"	G. Bartlett	G. Bartlett	Dwelling	42 92	1,000 00	1,300 00	42 92	1,000 00	Gasoline use of matches		46 Hildesheim st.	"	D. E. Harris	D. E. Harris	"	2,500 00	2,500 00		2,500 00	2,500 00		2,500 00	"	
	5 Hildesheim at	"	G. Bartlett	G. Bartlett	Dwelling	42 92	1,000 00	1,300 00	42 92	1,000 00	Gasoline use of matches		47 Appleton st.	"	Ed. Delancey	Ed. Delancey	"	11 75	15 00	400 00	11 75	15 00	400 00	Fire in pocket		
	6 Hildesheim at	"	G. Bartlett	G. Bartlett	Dwelling	42 92	1,000 00	1,300 00	42 92	1,000 00	Gasoline use of matches		48 Appleton st.	"	Ed. Delancey	Ed. Delancey	"	11 75	15 00	400 00	11 75	15 00	400 00	Fire in pocket		
	7 Hildesheim at	"	G. Bartlett	G. Bartlett	Dwelling	42 92	1,000 00	1,300 00	42 92	1,000 00	Gasoline use of matches		49 Appleton st.	"	Ed. Delancey	Ed. Delancey	"	11 75	15 00	400 00	11 75	15 00	400 00	Fire in pocket		
	8 Hildesheim at	"	G. Bartlett	G. Bartlett	Dwelling	42 92	1,000 00	1,300 00	42 92	1,000 00	Gasoline use of matches		50 Appleton st.	"	Ed. Delancey	Ed. Delancey	"	11 75	15 00	400 00	11 75	15 00	400 00	Fire in pocket		
	9 Hildesheim at	"	G. Bartlett	G. Bartlett	Dwelling	42 92	1,000 00	1,300 00	42 92	1,000 00	Gasoline use of matches		51 Appleton st.	"	Ed. Delancey	Ed. Delancey	"	11 75	15 00	400 00	11 75	15 00	400 00	Fire in pocket		
	10 Hildesheim at	"	G. Bartlett	G. Bartlett	Dwelling	42 92	1,000 00	1,300 00	42 92	1,000 00	Gasoline use of matches		52 Appleton st.	"	Ed. Delancey	Ed. Delancey	"	11 75	15 00	400 00	11 75	15 00	400 00	Fire in pocket		
	11 Hildesheim at	"	G. Bartlett	G. Bartlett	Dwelling	42 92	1,000 00	1,300 00	42 92	1,000 00	Gasoline use of matches		53 Appleton st.	"	Ed. Delancey	Ed. Delancey	"	11 75	15 00	400 00	11 75	15 00	400 00	Fire in pocket		
	12 Hildesheim at	"	G. Bartlett	G. Bartlett	Dwelling	42 92	1,000 00	1,300 00	42 92	1,000 00	Gasoline use of matches		54 Appleton st.	"	Ed. Delancey	Ed. Delancey	"	11 75	15 00	400 00	11 75	15 00	400 00	Fire in pocket		
	13 Hildesheim at	"	G. Bartlett	G. Bartlett	Dwelling	42 92	1,000 00	1,300 00	42 92	1,000 00	Gasoline use of matches		55 Appleton st.	"	Ed. Delancey	Ed. Delancey	"	11 75	15 00	400 00	11 75	15 00	400 00	Fire in pocket		
	14 Hildesheim at	"	G. Bartlett	G. Bartlett	Dwelling	42 92	1,000 00	1,300 00	42 92	1,000 00	Gasoline use of matches		56 Appleton st.	"	Ed. Delancey	Ed. Delancey	"	11 75	15 00	400 00	11 75	15 00	400 00	Fire in pocket		
	15 Hildesheim at	"	G. Bartlett	G. Bartlett	Dwelling	42 92	1,000 00	1,300 00	42 92	1,000 00	Gasoline use of matches		57 Appleton st.	"	Ed. Delancey	Ed. Delancey	"	11 75	15 00	400 00	11 75	15 00	400 00	Fire in pocket		
	16 Hildesheim at	"	G. Bartlett	G. Bartlett	Dwelling	42 92	1,000 00	1,300 00	42 92	1,000 00	Gasoline use of matches		58 Appleton st.	"	Ed. Delancey	Ed. Delancey	"	11 75	15 00	400 00	11 75	15 00	400 00	Fire in pocket		
	17 Hildesheim at	"	G. Bartlett	G. Bartlett	Dwelling	42 92	1,000 00	1,300 00	42 92	1,000 00	Gasoline use of matches		59 Appleton st.	"	Ed. Delancey	Ed. Delancey	"	11 75	15 00	400 00	11 75	15 00	400 00	Fire in pocket		
	18 Hildesheim at	"	G. Bartlett	G. Bartlett	Dwelling	42 92	1,000 00	1,300 00	42 92	1,000 00	Gasoline use of matches		60 Appleton st.	"	Ed. Delancey	Ed. Delancey	"	11 75	15 00	400 00	11 75	15 00	400 00	Fire in pocket		
	19 Hildesheim at	"	G. Bartlett	G. Bartlett	Dwelling	42 92	1,000 00	1,300 00	42 92	1,000 00	Gasoline use of matches		61 Appleton st.	"	Ed. Delancey	Ed. Delancey	"	11 75	15 00	400 00	11 75	15 00	400 00	Fire in pocket		
	20 Hildesheim at	"	G. Bartlett	G. Bartlett	Dwelling	42 92	1,000 00	1,300 00	42 92	1,000 00	Gasoline use of matches		62 Appleton st.	"	Ed. Delancey	Ed. Delancey	"	11 75	15 00	400 00	11 75	15 00	400 00	Fire in pocket		
	21 Hildesheim at	"	G. Bartlett	G. Bartlett	Dwelling	42 92	1,000 00	1,300 00	42 92	1,000 00	Gasoline use of matches		63 Appleton st.	"	Ed. Delancey	Ed. Delancey	"	11 75	15 00	400 00	11 75	15 00	400 00	Fire in pocket		
	22 Hildesheim at	"	G. Bartlett	G. Bartlett	Dwelling	42 92	1,000 00	1,300 00	42 92	1,000 00	Gasoline use of matches		64 Appleton st.	"	Ed. Delancey	Ed. Delancey	"	11 75	15 00	400 00	11 75	15 00	400 00	Fire in pocket		
	23 Hildesheim at	"	G. Bartlett	G. Bartlett	Dwelling	42 92	1,000 00	1,300 00	42 92	1,000 00	Gasoline use of matches		65 Appleton st.	"	Ed. Delancey	Ed. Delancey	"	11 75	15 00	400 00	11 75	15 00	400 00	Fire in pocket		
	24 Hildesheim at	"	G. Bartlett	G. Bartlett	Dwelling	42 92	1,000 00	1,300 00	42 92	1,000 00	Gasoline use of matches		66 Appleton st.	"	Ed. Delancey	Ed. Delancey	"	11 75	15 00	400 00	11 75	15 00	400 00	Fire in pocket		
	25 Hildesheim at	"	G. Bartlett	G. Bartlett	Dwelling	42 92	1,000 00	1,300 00	42 92	1,000 00	Gasoline use of matches		67 Appleton st.	"	Ed. Delancey	Ed. Delancey	"	11 75	15 00	400 00	11 75	15 00	400 00	Fire in pocket		
	26 Hildesheim at	"	G. Bartlett	G. Bartlett	Dwelling	42 92	1,000 00	1,300 00	42 92	1,000 00	Gasoline use of matches		68 Appleton st.	"	Ed. Delancey	Ed. Delancey	"	11 75	15 00	400 00	11 75	15 00	400 00	Fire in pocket		
	27 Hildesheim at	"	G. Bartlett	G. Bartlett	Dwelling	42 92	1,000 00	1,300 00	42 92	1,000 00	Gasoline use of matches		69 Appleton st.	"	Ed. Delancey	Ed. Delancey	"	11 75	15 00	400 00	11 75	15 00	400 00	Fire in pocket		
	28 Hildesheim at	"	G. Bartlett	G. Bartlett	Dwelling	42 92	1,000 00	1,300 00	42 92	1,000 00	Gasoline use of matches															

Schedule of all the Fires which Occurred in the City of Lowell

Date 1907	Time	Signal	Recall	Location	Wood, Brick or Stone	Owned by	Occupied by	Occupied as	Amount of Damage		Amount of Insurance		Amount of Insurance Pd		Cause of Fire
									Building	Contents	Building	Contents	Building	Contents	
July 20	9 30 a m	38	9 42 a m	Manchester st.	Wood	P. McMahon	P. McMahon	Dwelling							Rubbish in closet
22	11 20 a m	Tel.	8 38 p m	Coburn st.	"	J. O. Flynn	J. O. Flynn	"	5 00		1,650 00		5 00		Rubbish in cellar
22	8 22 p m	18		Arthur st.	"	G. B. Wright	Severall	"	17 50		900 00		17 50		Bed
23	7 30 p m	Still		Middlesex st.	"	Davis & Sargent L. Co.		"							Rubbish
23	7 35 p m	Tel.		"	"			"							Same fire
24	9 30 a m	Tel.		First st.	"	Locks and Canals.		Dump							Dump
26	5 55 a m	Aut.		West Adams st.	Wood	J. W. Pead		Mill							Overheated thermostat
26	2 38 p m	51	2 45 p m	Madison st.	"	W. and A. L. Gray	Severall	Dwelling							Lightning
27	11 29 a m	225	11 45 a m	Marion st.	"	F. Donahoe		"	18 00		5,000 00		18 00		Rubbish in cellar
28	7 23 p m	Tel.		Off Rogers st.	"	Lowell Elec Light Co.		Poles							Children and matches
28	7 30 p m	Tel.		"	"			"							Same fire
29	12 12 p m	23	12 23 p m	Lakeview ave.	Wood	H. Courtney	Severall	Dwelling							Bed
29	2 38 p m	13	3 07 p m	Bridge st.	Brick	Mass. Corp.	Mass. Corp.	Store House	60 00		1,000 00		60 00		Combustion of Cotton
29	4 15 p m	Tel.		Fletcher st.	Wood	T. J. McDonald	T. J. McDonald	Grain Store							Spark set roof
29	4 50 p m	Tel.		Seventeenth st.	"	F. A. Taylor	F. A. Taylor	Dwelling	726 00	544 35	1,000 00	150 00	726 00	150 00	Unknown
29	4 52 p m	129	5 45 p m	"	"			"							Same fire
31	7 35 a m	Still		Fourth st.	Brick	City	City	Fire Station							Careless smoking
31	12 20 p m	Tel.		Aiken st.	"	Locks and Canals.		Dump							Dump
Aug. 1	2 29 p m	125	3 02 p m	Market st.	Wood	R. G. Bartlett	Vallas & Pappadopolos	Grocers							Rats' nest in partition
2	7 38 a m	Still		Charles st.	"	J. Bennett Est	Severall	Dwelling	284 40	15 15	2,000 00	1,000 00	284 40	15 15	Defective chimney
2	7 40 a m	35	7 45 a m	"	"			"							Same fire
2	8 50 a m	Tel.		State st.	"	Wamesit Power Co.		Dump							Dump
2	10 20 p m	Tel.		Howard ave.	"	J. Pilling	Severall	Dwelling							Chimney
3	3 16 a m	57	6 20 a m	Church st.	Brick	Hoyt and Shedd	Hoyt & Shedd	Tooth Powder Mfg	4,097 00	5,966 60	25,000 00	25,000 00	4,097 00	5,966 60	Combustion
3	10 02 a m	Tel.		Main st.	Wood	M. Edwards	C. F. Hatch	Paper Shop							Hot ashes in barrel
3	5 20 p m	Tel.		Bridge st.	"	J. M. G. Parker	Severall	Dwelling							Spark set sawdust
3	9 12 p m	125	9 21 p m	Suffolk st.	"	D. J. Murphy		Stores and Dwelling							Careless use of matches set clothes
3	10 30 p m	139	10 36 p m	Adams st.	"	Mrs. L. O'Heir	Unoccupied	"							Supposed incendiary
4	4 32 a m	28	4 44 a m	Aiken st.	"	G. W. Harris	Severall	"							Oil lamp exploded
5	8 23 p m	225	8 30 p m	Suffolk st.	"	G. L. Cady		"							Chimney
6	7 27 p m	Tel.		Perry st.	"	Electric Light Co.		Poles							Children and matches
8	12 40 p m	Tel.		Tanner st.	"	W. S. Watson		Dump							Dump
8	12 45 p m	Tel.		West Meadow rd	"	S. L. Ward		"							Brush
9	3 58 p m	Tel.		Middle st.	Brick	Wm. Kittredge	C. S. Proctor	Paper store							Water leak
10	9 30 a m	Still		Adams st.	Wood	T. Nomack	Severall	Dwelling							Oil stove
10	12 50 p m	Still		Plain st.	"	W. Coburn		"							Grass
11	10 41 a m	42	10 46 a m	Middlesex st.	Wood	S. Renaud	Severall	Dwelling							Rubbish in shed
11	8 15 p m	Tel.		Gorham st.	"	J. Flynn	J. Flynn	Stable							Spark set Roof
12	7 56 p m	134	10 44 p m	Plain st.	"	C. A. Smith	Eagle Foundry Co.	Foundry	3,000 00	2,557 12	3,000 00	2,700 00	3,000 00	2,557 12	Unkown
12	8 00 p m	134	10 44 p m	"	"	"	"	"							Same fire
13	5 45 a m	Tel.		"	"	"	"	"							Rekindled
13	6 20 a m	Tel.		"	"	"	"	"							Same fire
13	3 30 p m	Tel.		Varnum ave.	"	George Carney Est.		"							Brush
13	3 35 p m	Tel.		"	"	"		"							Same fire
14	9 45 a m	Tel.		Aiken st.	"	Locks and Canals.		Dump							Dump
14	11 07 a m	Tel.		"	"	"		"							"
15	10 40 a m	Still		Hanover st.	Wood	D. Distonette	D. Distonette	Lunch Cart							Gasoline explosion
15	11 36 a m	35	11 59 a m	Charles st.	"	A. M. Torigian	A. M. Torigian	Dwelling	548 00		5,000 00		548 00		Defective chimney
*15	9 40 p m	Tel.		Steadman st.	"	M. Roark		"							"
16	9 18 a m	Tel.		Aiken st.	"	Locks and Canals.		Dump							Dump
*16	10 29 a m	25	10 35 a m	Tremont st.	Wood	P. Dempsey Est.	Severall	Dwelling							Rubbish in cellar
16	7 45 p m	Tel.		Chelmsford	"	A. G. Thompson		"							"
17	7 35 p m	225	8 42 p m	Suffolk st.	Wood	Dan Murphy	Severall	Dwelling							Rubbish in cellar
17	8 42 p m	13	8 52 p m	Brookings st.	Brick	G. B. White		"							Oil lamp exploded
18	12 08 p m	Tel.		Aiken st.	"	City		Bridge							Cigar stub
20	10 33 a m	Still		Market st.	Wood	J. Regis	Severall	Dwelling							Gas explosion
20	3 14 p m	Still		Middlesex st.	"	Winn		Baseball grounds							Rubbish
20	3 19 p m	Still		"	"	"		"							Same fire
20	8 38 p m	216	8 45 p m	"	"	"		"							False alarm
21	10 00 a m	Tel.		Aiken st.	"	Locks and Canals.		Dump							Dump
22	12 43 p m	39	12 59 p m	Willie st.	Wood	J. White	Severall	Dwelling	25 00		6,000 00		25 00		Rubbish set by children
23	5 41 p m	35	5 53 p m	Lawrence st	"	J. J. McCann		"	130 50		4,500 00		130 50		Careless use of match set wood
24	7 18 a m	Tel.		Gorham st.	"	National Land Co.		"							Rubbish
24	7 21 a m	138	7 45 a m	"	"	"		"							Same fire
24	8 43 a m	138	8 58 a m	"	"	"		"							Grass
27	8 24 p m	139	8 36 p m	Broadway st.	Wood	D. J. Murphy	Severall	Shed							Rubbish in barrel
27	11 21 p m	53	11 31 p m	Central st.	Brick	Bunker & Hennessy		Stores and offices	100 00		35,000 00		100 00		Rubbish in basket
28	7 14 p m	38	7 21 p m	Gorham st.	Wood	A. L. Field	A. L. Field	Druggist	20 00	15 00	3,925 00	900 00	20 00	15 00	Awning set by gas light
29	1 55 p m	Tel.		Stackpole st.	"	Locks and Canals.		Dump							Dump
30	8 40 a m	Tel.		"	"	"		"							"
30	11 45 a m	Still		Market st.	Wood	R. G. Bartlett	Severall	Dwelling							Stove smoking
30	2 19 p m	115	4 33 p m	St. James st	"	Wm. Atkins	Unoccupied	"	2,468 00		3,000 00		2,468 00		Plumbers' furnace set
30	2 19 p m	115	4 33 p m	"	"	J. W. Wilkinson	J. W. Wilkinson	"	1,500 00	900 00	1,500 00	900 00	1,500 00	900 00	Exposure
30	2 19 p m	115	4 33 p m	"	"	M. Sheehan	M. Sheehan	"	452 00	139 70	2,500 00	800 00	452 00	139 70	"
30	3 00 p m	Still		"	"	A. T. Ohlson	A. T. Ohlson	"	10 00	5 00	2,000 00	500 00	10 00	5 00	Spark set roof
30	3 25 p m	Still		Crowley st	"	W. H. Holgate	W. H. Holgate	"	13 00		4,000 00		13 00		"
30	3 30 p m	Still		Sydney st	"	B. Ryan	B. Ryan	"	52 00		2,000 00		52 00		"
30	3 30 p m	Still		"	"	Mrs. B. Craven	Mrs. B. Craven	"	6 10		1,800 00		6 10		"
30	3 30 p m	Still		"	"	T. Rienstiernd	T. Rienstiernd	"	1 50		1,200 00		1 50		"
31	5 43 p m	125	6 19 p m	Hanover st.	"	A. C. Wheelock	Severall	"	200 00		200 00		200 00		Oil stove
31	5 43 p m	125	6 19 p m	"	"	I. M. Chase Est		"	135 00		3,000 00		135 00		Exposure
Sept. 2	8 45 a m	Tel.		East Merrimack st	"	B. and N. S. R. R.	Severall	Car.							Defective motor
3	9 07 a m	154	9 17 a m	Rock st.	"	T. J. McDonald	Severall	Dwelling	5 00		4,000 00		5 00		Rubbish in cellar
4	3 58 a m	183	4 10 a m	Shaw st.	"	G. F. Penniman Est.	F. E. Bascom	"							Lightning
5	7 24 a m	Tel.		Durant st.	"	W. A. Roberts	W. A. Roberts	"							Chimney
5	4 10 p m	28	4 16 p m	Aiken st.	"	George Mongreau	Y. Stilaire	Grocer	25 00		1,700 00		25 00		Awning set by match
6	3 40 p m	Tel.		"	"	Locks and Canals.		Dump							Dump
15	9 50 a m	Still		Fayette st.	Wood	Wm. Cogger	Wm. Cogger	Dwelling							Bed
15	5 10 p m	Tel.		Market st.	"	R. G. Bartlett	Severall	"							Spark set roof
16	8 26 p m	125	8 34 p m	Hanover st.	"	Tremont and Suffolk		"							Oil stove
17	1 20 p m	Tel.		Aiken st.	"	Locks and Canals.		Dump							Dump
17	4 14 p m	Aut.		Davidson st.	"	Locks and Canals.		"							Overheated thermostat
20	9 20 a m	Tel.		Westford st.	Stone	N. E. Bunting Co.	N. E. Bunting Co.	Mill							Defective fireplace
21	11 23 a m	154	11 28 a m	Rock st.	Wood	R. Simpson	Severall	Dwelling	31 00		7,000 00		31 00		Belt broke set automatic
22	6 15 p m	125	6 22 p m	Suffolk st	Brick	Otis Allen & Son		Shoe Shop							Oil stove
22	5 20 p m	Still		Rear of Middle st.	Wood	C. A. Daly		Dwelling							Rubbish set by spark
23	7 27 a m	139	7 34 a m	Adams st.	"	"		"							Careless use of match set clothes
25	1 05 p m	Tel.		"	"	"		"							Chimney
25	1 51 p m	28	2 05 p m	Hall st.	"	J. Marin		"	25 00		1,250 00		25 00		Rubbish in cellar
25	2 26 p m	Tel.		Ross ave.	"	A. Barbear	A. Barbear	"	65 00	25 00	1,200 00	600 00	65 00	25 00	Gas stove
25	3 50 p m	Tel.		Adams st.	"	C. A. Daly	Severall	"							Chimney
26	2 55 p m	Still		Chestnut st	"	A. G. Thompson		"							Hot ashes in harr. l
27	9 50 p m	Still		Middlesex st.	"	City Inst. Savings		"							Rats' nest in partition
28	9 57 a m	154	10 03 a m	Willie st	"	J. Dugdale		"	5 00		4,725 00		5 00		Grease on stove
29	12 57 p m	Tel.		Lakeview ave.	"	J. Calnin		"							Chimney
30	10 30 a m	Still		Market st.	"	J. Horan Est		"							Stove smoking
Oct. 1	9 30 a m	Tel.		Suffolk st	"	Mrs. Coughlin		"							Chimney
1	2 35 p m	113	2 45 p m	Paige st.	"	F. A. Hildreth Est		"							Rubbish in cellar

Lowell during the Year ending December 31, 1907—Continued

	Date 1907	Time	Signal	Recall	Location	Wood, Brick or Stone	Owned by	Occupied by	Occupied as	Amount of Damage		Amount of Insurance		Amo't of Insurance Pd		Cause of Fire
										Building	Contents	Building	Contents	Building	Contents	
Oct.	14	12 34 p m	Tel.	6 55 p m	West Third st	Wood	C. S. Upton	C. S. Upton	Dwelling							Careless use of match set sawdust
	14	6 40 p m	154		Willie st	"	E. Lavery	E. Lavery	Stable	5 00		250 00				" " " "
	15	1 20 p m	Tel.		Maple st	"	N. Y. N. H. & H. R. R.	N. Y. N. H. & H. R. R.	Coal Shed					5 00		Combustion of coal
	16	12 10 a m	Tel.			"										" " " "
	16	8 30 a m	218	11 41 a m	Middlesex st	"	City Inst. Savings	Several	Dwelling							False
	16	11 33 a m	218	1 31 p m	Chelmsford st	"	Connors Brothers	Connors Bros	Blacksmith shop	25 00						Spark set roof
	17	1 21 p m	Tel.		Aiken st	"	D. J. & M. A. McDonald	Several	Dwelling							Hot ashes
	18	2 25 p m	Tel.		Prince st	Wood	A. C. Wheelock	Several	Dwelling							Dump
	19	11 48 a m	Tel.		Aiken st	"	Locks and Canals	Several	Dwelling							Spark set roof
	19	1 30 p m	Tel.		Olive st	"	B. and M. R. R.		Dump							Dump
	19	6 30 p m	Still		John st	Brick	John Carney	P. McNulty	R. R. ties							Spark from locomotive
	19	8 15 p m	113	8 28 p m	Meadowcroft st	"	J. A. Thompson	J. A. Thompson	Boarding House	97 05	32 00	4,500 00	500 00	97 05	32 00	Oil lamp
	19	11 51 p m	215	12 34 a m		"			Box shop	68 50	265 55	2,000 00	5,500 00	68 50	265 55	Spark set dust
	20	12 01 a m	138	12 12 a m		"										Same fire
	21	5 55 p m	Aut.		Davidson st	"	N. E. Bunting Co	N. E. Bunting Co	Bunting Mfg.							Overheated thermostat
	22	2 30 p m	Tel.		Tanner st	"	W. S. Watson		Dump							Dump
	23	6 30 a m	Still		Lincoln st	"										Rubbish
	24	5 26 p m	25	5 32 p m	Merrimack st	Wood	H. Demaris	C. Harpoat	Fruit Store	26 00	191 40	5,000 00	1,000 00	26 00	191 40	Careless use of match set awning
	26	7 10 a m	Still		James court	"	T. E. Parker Est	W. S. Miller	Dwelling	10 00	48 00	1,600 00	800 00	10 00	48 00	Rubbish set curtain
	26	7 40 a m	Still		Pollard ave.	Brick	F. A. Hildreth Est.	Several								Ash barrel
	26	3 20 p m	Tel.		Central st	Wood	A. C. Wheelock									Defective chimney
	26	5 29 p m	Tel.		Lakeview ave.	"	John Burke									Chimney
	26	8 50 p m	Tel.		Suffolk st	"	Dr. Daly									"
	27	9 59 a m	Still		Central st	"	W. H. Wright Est	Several	Dwelling							"
	27	10 40 a m	Tel.		Nesmith st	"	Miss Fanny Reed	C. E. French		25 00		1,000 00		25 00		Hot stove set wood
	27	11 13 a m	Tel.		Coburn st	"	Ann Bratton	Several								Chimney
	29	10 10 a m	Tel.		Hildreth st	"	S. Lagrasse	S. Lagrasse		25 00		2,500 00		25 00		Varnish caught fire
	29	6 24 p m	Still		Fourth st	"	Wm. O'Brien	Several								Chimney
	30	3 42 p m	Tel.		Lakeview ave	"	Bridget Brady									"
	31	10 11 a m	Tel.		Lawrence st	"	Thomas King	Thos. King		55 00	25 00	2,500 00		55 00		Children and matches
	31	10 14 p m	Tel.			"										Same fire
	31	8 11 p m	Tel.		Mammoth road	"										Rubbish set by boys
	31	8 32 p m	163	10 37 p m	Tanner st	Wood	B. Scannell	B. Scannell	Boiler Works	4,686 00	3,544 30	11,000 00	14,500 00	4,686 00	3,544 30	Supposed hot rivet
	31	8 45 p m	153 2d	10 37 p m		"										2d for same fire
Nov.	1	9 26 a m	139	9 35 a m	Cross st	"	Sarah Smith	Sarah Smith	Dwelling	8 00		500 00		8 00		Stove smoking
	1	2 35 p m	Still		Middle st	"	O'Donnell Est.	Several	Shed							Spark set rubbish
	1	3 10 p m	Still		Tanner st	"	W. S. Watson		Dump							Dump
	5	8 24 a m	Tel.		Church st	Wood	John Brady	John Brady	Wood Shed							Hot bearing
	5	8 25 a m	35	8 38 a m		"										Same fire
	5	2 00 p m	Tel.		Perry st	"	Electric Light Co.	Lowell Elec. Lt. Corp	Store Room							Burning insulation
	5	8 21 p m	Still		Merrimack st	Wood	J. Corner Est	Several	Dwelling							Furnace smoking
	6	8 52 p m	152	9 12 p m	Moody st	"	Electric Light Co.									Wire broke
	7	6 30 p m	Aut.		Middle st	Brick	J. M. G. Parker Est.	Several	Stores and rooms							Overheated thermostat
	9	1 20 p m	Still		Merrimack st	Wood	Mrs. Doyle		Dwelling							Children set rubbish
	10	9 14 p m	225	5 35 p m	Lewis st	"	D. J. Murphy									Rats' nest in partition
	11	7 09 a m	325	7 18 a m	Fenwick st	"	J. J. Malone			25 00		3,000 00		25 00		Oil lamp
	12	3 43 p m	Tel.		First st	"	Dr. M. G. Parker	Dr. Parker		10 00		2,500 00		10 00		Chimney
	15	11 28 a m	15	11 36 a m	Bleachery st	Wood	H. C. Carr	H. E. Bird		10 00		3,000 00		10 00		Children and matches set lounge
	16	7 18 a m	46	7 27 a m	Lakeview ave	"	J. Burke	Several								Bed
	17	8 26 a m	19	8 30 a m	Winter st	"	J. Farley									Chimney
	17	11 43 a m	Still		Concord st	"	A. Billingsley Est.									"
	17	4 45 p m	238	5 13 p m	Chippawa st	"	Several									Brush
	18	10 37 a m	83	11 03 a m	C st	Wood	F. A. Page	Several	Dwelling	370 00		2,200 00		370 00		Defective chimney
	18	2 50 p m	Still		Central st	"	J. H. McDermott									Fat on stove
	19	1 18 p m	Tel.		Bay State court	"	D. Emery			10 00		9,500 00		10 00		Clothes in closet
	19	5 31 p m	Tel.		Warren st	Stone	A. F. Carruthers	Bates & Robinson	Machine Shop							Combustion of waste
	20	12 28 a m	45	12 45 a m	Middlesex st	Wood	City Inst. Savings	Several	Dwelling	30 00		8,525 00		30 00		Careless use of match
	20	9 15 a m	Tel.		Lawrence st	"	A. C. Wheelock									Chimney
	20	4 35 p m	Tel.		Staples st	"	R. G. Bartlett	Geo Gaudette	Stable	500 00	100 00	500 00	900 00	500 00	100 00	Unknown
	20	4 36 p m	185	6 42 p m		"										Same fire
	20	10 17 p m	138	10 28 p m	Gorham st	"	H. Patnaud	Unoccupied	Dwelling							Drying plaster
	21	6 26 a m	Tel.		Sixth st	"	Charles McEvoy	Clarence Gay		40 00		1,000 00		40 00		Clothes in closet
	21	6 29 a m	232	6 45 a m		"										Same fire
	21	6 05 p m	222			"										No school
	22	12 01 p m	Still		Conlon court	Wood	G. W. Lovejoy	Several	Dwelling	22 44		3,600 00		22 44		Rats' nest in partition
	25	7 45 a m	222			"										No school
	25	12 01 p m	Still		Middlesex st	Wood	A. Ducharme	A. Blanchard	Dwelling							Child and match set curtain
	25	12 12 p m	Aut.		West Adams	"	J. W. Pead	J. W. Pead	Towel Mill							Overheated thermostat
	25	12 45 p m	222			"										No school
	25	1 30 p m	Tel.		First st	"	Locks and Canals		Dump							Dump
	25	6 55 p m	Still		Market st	Wood	M. J. Cahill	M. J. Cahill	Blacksmith							Overheated forge
	26	7 45 a m	Still		North st	"	M. Morse	Several	Dwelling	35 00		1,500 00		35 00		Overheated fireplace
	27	3 09 p m	18	3 20 p m	Shaw st	"	Wm. Leighton	Wm. Burner								Tar on stove caught fire
	28	6 00 a m	Aut.		West Adams st	"	J. W. Pead	J. W. Pead	Towel Mill							Overheated thermostat
	28	12 32 p m	Tel.		Middlesex st	Brick	Odd Fellows Asso	J. A. Weinbeck	Undertaker							Careless use of match
	28	12 33 p m	53	12 48 p m		"										Same fire
	28	5 15 p m	Tel.		Third st	Wood	H. Carrell		Dwelling							Ash barrel
	28	8 05 p m	Still		Andrews st	"	U. S. Cartridge Co.									Grass
	29	12 32 a m	Still		Branch st	Wood	Moxie Co	J. Lemere	Dwelling							Ash barrel
	29	12 34 a m	Still			"										Same fire
	30	5 32 a m	Tel.	12 38 a m	Merrimack st	Brick	Mechanics Savings Bk.	J. Lemere	Stores and rooms		40 00		300 00		40 00	Careless use of match
	30	6 46 a m	216	6 56 a m	Lawrence st	Wood	J. Sullivan	S. Freedman	Dwelling		86 27	1,800 00			86 27	Defective chimney
	30	7 18 a m	216	7 33 a m		"			Paper store							Dump
	30	10 40 a m	Tel.		First st	"	Locks and Canals		Dump							Wood box back of stove
	30	1 51 p m	134	2 14 p m	Main st	Wood	M. Edwards	Wm. Toupin	Dwelling							
Dec.	1	2 20 p m	Tel.		Gorham st	"	M. Corbett	Several								Chimney
	1	10 17 p m	75	10 34 p m	Mt Hope st	"	Mrs. E. Lew	Mrs. E. Lew		28 00	23 85	900 00	100 00	28 00	23 85	Careless use of match
	*2	9 27 p m	Tel.		East Chelmsford	"	Wm. Manning	Mrs. A. Heelon								"
	*2	9 50 p m	Tel.			"										"
	*2	10 17 p m	238	12 38 p m		"										"
	*3	3 30 a m	Tel.			"										"
	3	8 09 p m	Tel.		Bridge st	Brick	S. Sirk	S. Agop	Fruit Store		9 00		400 00		9 00	Awning set by lamp
	4	11 40 a m	347	12 21 a m	Andover st	Wood	A. S. Bailey	J. Moran	Dwelling	162 00		1,000 00		162 00		Overheated stove
	6	7 50 p m	Still		Fayette st	"	A. C. Wheelock	Several								Chimney
	7	10 50 p m	Tel.		Astor st	"	F. B. Shedd	Unoccupied								Drying plaster
	7	11 33 p m	12	11 56 p m	Central st	Brick	W. B. Spalding	J. J. Lonergan	Shoe store	358 00	1,475 44	19,915 00	4,500 00	358 00	1,475 44	Unknown
	7	11 33 p m	12	11 56 p m		"		S. B. Chace	Hat store		15 75		400 00		15 75	Same fire
	8	4 52 a m	19	5 20 a m	Summer st	Wood	Mrs. O'Neil	Several	Dwelling							Clothes in closet
	8	2 48 p m	5	2 56 p m	Suffolk st	"	M. F. Keefe									"
	9	7 14 p m	Tel.		Bridge st	"	C. Hovey Est	C. E. Guthrie	Paint and paper store	20 21	176 98	1,000 00	3,000 00	20 21	176 98	Careless use of match
	9	7 16 p m	46	7 22 p m		"										Same fire
	9	10 26 p m	Still		Andover st	"	J. Nesmith Est.	Several	Dwelling	174 00		2,000 00		174 00		Rubbish in shed
	9	10 28 p m	14	10 40 p m		"										Same fire
	10	12 50 a m	42	12 56 a m	Middlesex st	Brick	Kaplin & Gardner	A. Smith	Cigars, etc.	25 00		4,500 00		25 00		Unknown
	11	6 49 p														

	30	10	30	a m	Still		Market st.		J. Horan Est								Stove smoking
Oct.	1	9	30	a m	Tel.		Suffolk st	"	Mrs. Coughlin	"							Chimney
	1	2	35	p m	113	2 45 p m	Paige st	"	F. A. Hildreth Est	"							Rubbish in cellar
	1	4	17	p m	63	4 25 p m	Howard st	"	M. Cohen	"							Careless use of matches set curtain
	2	9	14	a m	225	9 38 a m	Market st	"	H. Whitney	"		125 00	6,000 00	125 00			Rats' nest under floor
	3	7	23	a m	261	10 03 a m	Crosby st	"	U. S. Bunting Co.	U. S. Bunting Co.	Store Room	453 72	1,650 00	453 72			Careless use of matches or combustion
	3	7	40	a m	261 2d	10 03 a m	"	"	"	"		13,421 57	41,000 00				Same fire
	3	3	47	p m	325	3 59 p m	Fenwick st	"	Mrs. Jewett	Several	Dwelling						Stove smoking
	3	5	43	p m	25	5 47 p m	Merrimack st	"	C. Tarpoat	Fruit Store		50 00	74 81	5,000 00	1,000 00	50 00	Electric wire set awning
	4	7	45	a m	222				H. Demars								No school
	5	10	42	a m	Still		Brooking st	Brick	S. Sirk	Boarding House							Bed
	5	4	10	p m	39	4 19 p m	Broadway st	Wood	Mrs. M. A. Woodworth	Several	Dwelling						Rubbish in cellar
	5	8	16	p m	6	10 05 p m	"	"	A. A. Jones	A. A. Jones	Wood Yard	600 00		1,000 00		400 00	Incendiary
	5	9	40	p m	28	10 20 p m	Ward st	"	A. Bibeault	Dolor Tousiauant	Stable		7 95		100 00	7 95	Supposed incendiary
	5	9	40	p m	28	10 20 p m	"	"	"	Peter Gilbert	"		250 30		800 00	250 30	Same fire
	5	9	46	p m	28	10 20 p m	"	"	"	Eugene Mercier	"	250 00	17 05	833 00	700 00	250 00	"
	5	9	46	p m	28	10 20 p m	"	"	"	Several	Dwelling	50 00		2,250 00	50 00		Exposure
	5	10	56	p m	28	11 10 p m	"	"	J. Marin	N. Roussian	Stable		15 00		500 00		False alarm
	7	11	55	a m	Still		Tyler st	"	P. LeTuer	Mrs. Burnham	Dwelling						Fat on stove
	7	12	14	p m	39	12 22 p m	Cross st	"	A. S. Adams Est	Ellen McLean	"	15 00	14 23		800 00		Oil stove
	7	3	02	p m	225	3 08 p m	Lagrange st	"	A. C. Wheelock	Several	"						Spark set roof
7	3	27	p m	Tel.		Andover st	"	E. A. O'Donnell	Mrs. Jos Nesmith	"						chimney	
8	7	45	a m	222				Jos. Nesmith								No school	
9	10	34	a m	19	10 52 a m	Charles st	Wood	A. C. Wheelock	Several	"	20 00					Defective chimney	
9	11	25	a m	Still		Merrimack st	"	J. Cornor Est	F. Ricard	"		31 90	5,800 00		31 90	Naptha explosion	
9	2	23	p m	Tel.		Pond st	"	Geo. Pierce	Mrs. J. W. Wilson	"	8 00	20 00	1,500 00	500 00	8 00	Plumbers' torch exploded	
9	3	45	p m	Still		Jewett st	Wood	City	Lewis Crompton	Tree						Set by boys	
10	11	30	a m	35	11 41 a m	Tyler st	"	George Runels	Est. W. H. Bulmer	Dwelling	23 00		2,000 00	23 00		Oil stove exploded	
11	5	05	p m	Still		Congress st	"	R. G. Bartlett	Several	"	30 00		1,000 00	30 00		Careless use of matches	
11	9	38	p m	Still		Fayette st	"	"	"	"						Oil lamp	
11	9	39	p m	14	9 58 p m	"	"	"	"	"						Same fire	
12	1	30	a m	Still		"	"	"	"	"						Rekindled	
12	11	50	a m	Tel.		Maple st	"	N. Y. N. H. & H. R. R.	N. Y. N. H. & H. R. R.	Coal Shed						Combustion of coal	
12	6	57	p m	154	7 56 p m	Mt. Vernon st	"	O. Allen & Son	O. Allen & Son	Box Shop	165 00		62,750 00	165 00		Spark set shavings	
12	6	06	p m	125	6 19 p m	Jefferson st	"	P. H. Savage	Several	Dwelling						Oil lamp exploded	
14	7	50	a m	Tel.		Adams st	"	C. A. Daly	"	"						Chimney	
14	8	08	a m	338	8 18 a m	Maple st	"	N. Y. N. H. & H. R. R.	N. Y. N. H. & H. R. R.	Coal Shed						Combustion of coal	
14	8	08	a m	Tel.		Perry st	Brick	Lowell Elec. Light Co	Lowell Elec. Lt. Corp.	"						"	
14	12	14	p m	72	12 27 p m	Middlesex st	"	G. L. Huntoon	H. Mellen	Hotel	50 00	75 25	12,500 00	6,000 00	50 00	75 25	Careless use of matches
14	12	20	p m	Tel.		"	"	"	"	"							Same fire

Schedule of all the Reported Fires which Occurred in the C

Date 1907	Location	Wood,Brick or Stone	Owned by	Occupied by	Occupied as	Amount of Damage		Amount of Insurance		Amo't of Insurance Pd		Cause of Fire
						Building	Contents	Building	Contents	Building	Contents	
January	1 Worthen st.	Wood	Peter Riley	Peter Riley	Auto		413 45		1,500 00		413 45	Gasolene leak
	3 Appleton st.		H. B. Fish	Ely Robitaille	Dwelling	12 00	20 95	3,000 00	1,500 00	12 00	20 95	Careless use of matches
	3 Warren st.		Rose Corcoran	Rose Corcoran	"	16 45		2,400 00		16 45		" " "
	5 Cedar st.		Bridget O'Neal	Bridget O'Neal	"	15 00		1,000 00		15 00		Unknown
	7 Cabot st.	Brick	Tremont & Suffolk Mfg. Co.	W. H. Tbayer	"		25 00		800 00		25 00	Careless use of matches
	8 South Wilder st.		E. J. Felton	"		7 20		1,200 00		7 20		Unknown
	8 Moody st.		M. O'Flahavan	Severall	"	16 00		18,000 00		16 00		Careless use of matches
	10 Aiken st.		Elesa Denault	"	10 00		4,500 00		10 00		" " " "	
	12 Merrimack st.	Wood	A. Arcambault	Mrs. Meneau	"	17 50	10 00	3,500 00	500 00	17 50	10 00	" " " "
	16 Walker st.		E. A. Jones	E. A. Jones	"		11 00		500 00		11 00	" " " "
	18 Pleasant st.		J. O'Connor	"		21 00		300 00		21 00		Gas jet set bed clothes
	18 A st.		Charles Mack	"		5 00		1,000 00		5 00		Hot asbes set carpet
	22 Gibson st.	"	J. E. Frye	D. R. Frye	"	7 50	12 50	4,000 00	1,500 00	7 50	12 50	Gas jet set curtain
	26 Jewett st.		M. A. Griffith	"		30 00		2,500 00		30 00		Water front of stove exploded
30 Grove st.	E. J. Medina		Severall	"	20 00		3,000 00		20 00		Thawing water pipe	
30 Race st.	L. Wills		"		8 00		4,000 00		8 00		" " "	
February	6 Cresent st.	"	J. S. Carlson	J. S. Carlson	"	46 50	2 87	1,000 00	1,000 00	46 50	2 87	Gas jet set curtain
	7 Merrimack st.		Parker and Morrison	F. H. Smith	"	20 50		400 00		20 50		Overheated stove
	10 Varney st.			G. F. Granede	"		12 25		500 00		12 25	Clothes on stove
	11 Howard st.			R. Cohen	"		30 00		300 00		30 00	Children and matches
	13 Hanks st.	"	John Stott Est	Mrs. John Stott	"	7 00	15 00	4,200 00	1,500 00	7 00	15 00	Oil lamp set shade
	14 Moody st.			C. F. Cogger	"		18 00		500 00		18 00	Careless use of matches
	18 Howard st.		M. Coben	Severall	"	12 00		2,000 00		12 00		"
	20 Linden st.		Walter Mussey	"	15 00		1,000 00		15 00		Thawing water pipe	
21 Hampshire st.	"	W. E. Newton	"	Dwelling	10 00		600 00		10 00		"	
22 Sixtb st.			A. J. Greig	"		5 00		800 00		5 00	Gas jet set curtain	
28 East Merrimack st.		Dr. G. H. Leahey	Dr. G. H. Leahey	"	31 00		3,000 00		31 00		Careless use of matches	
March		2 Hampshire st.	"	O. Denault	Severall	"	5 00		3,000 00		5 00		Overheated stove
	4 Agawam st.	Jas. McLaughlin				12 00		1,000 00		12 00		Careles use of matches
	9 Tanner st.	P. J. Riley		Junk Shop	317 50		3,200 00		317 50		Match in picker	
	10 Warnock st.	G. Barkett		Dwelling	15 00	42 92	1,000 00	1,300 00	15 00	42 92		Gas jet set curtain
	14 Sixth st.	"	C. Riley	"		12 50		500 00		12 50		Careless use of matches
	14 High st.			F. Brown	"		15 00		500 00		15 00	Lamp set towel
	16 Gorham st.		J. McAleer	Store and Dwelling	25 00	50 00	1,500 00	600 00	25 00	50 00		Def. chimney
	18 Westford st.		T. F. Haley	Dwelling	15 00		5,000 00		15 00		Gas stove	
	23 Methuen st.	Brick	Mrs. A. C. Moet	Severall	10 00		3,900 00		10 00		Gas jet set curtain	
	25 Dutton st.		Dr. F. C. Plunkett Est.	Stores and Dwelling		3 00		1,050 00		3 00		Hot stove set awning
30 Midland st.	C. W. Qua		Dwelling		9 00		1,500 00		9 00		Gas jet set curtain	
April	2 Talbott st.		"		W. S. Coburn	"		8 50		1,500 00		8 50
	7 East Merrimack st.	A. V. Emerson		"		2 50		500 00		2 50		" " "
	10 Walker st.	F. G. Webber		"		15 50		1,000 00		15 50		Paper bell lamp
	12 Burt st.	F. E. Baker		"		45 20		1,000 00		45 20		Careless use of matches
	18 Appleton st.	"	Edward Lang	Severall	"	10 00		2,000 00		10 00		Hot stove
	24 Central st.		John Nolan	"	20 00		10,000 00		20 00		Gas jet set curtain	
	25 West Tbird st.		M. Lemkin	Severall	25 00		3,000 00		25 00		Unknown	
	25 Durant st.		L. Denult	"	5 00	8 00	2,500 00	1,000 00	5 00	8 00		Gas jet set curtain
	26 Third st.	"		J. H. Barnard	"		7 50		1,000 00		7 50	Hot stove
	28 Worthen st.		B. F. Jones	"	12 00	25 00	1,000 00	500 00	12 00	25 00		Gas jet set curtain
28 Worthen st.	A. D. Huntley		"	10 00	25 00	2,500 00	500 00	10 00	25 00		" " "	
May	1 Lyons st.		"	Peter Sheehan	Peter Sheehan	"		6 00		500 00		6 00	Clothes near stove
	2 Central st.	E. Watson		"		5 50		800 00		5 50	Gas leak	
	4 Wilder st.	C. F. Garland		"		6 00		600 00		6 00	Careless use of matches	
	8 Wachusett st.	Mrs. M. Clee		"		3 00		800 00		3 00	Burning sulphur set lounge	
	8 Ann st.	"	R. Robarge	R. Robarge	"	10 00		2,000 00		10 00		Gas jet set curtain
	9 Blossom st.		C. Thorssen	"	11 00	14 35	1,000 00	500 00	11 00	14 35		Careless use of matches
	12 Appleton st.		A. M. Crawford	"	16 10	6 44	2,500 00	1,000 00	16 10	6 44		Oil lamp exploded
	12 Lyman st.		G. Gorman	"		6 40		800 00		6 40		Careless use of matches
	12 Appleton st.	"	A. W. Fesler	"		6 51		6,900 00		6 51		Oil lamp exploded
	17 Lakeview ave		John Klis	Store and Dwelling		5 25		600 00		5 25		Cigar stub
	18 Pawtucket st.		Jane Swapp	Dwelling	10 00	5 00	4,000 00	2,000 00	10 00	5 00		Gas leak
	18 Dutton st.		Merrimack Mfg. Co.	"		15 00		2,000 00		15 00		Oil lamp
	21 Jackson st.	Brick	Hamilton Mfg. Co.	Mill		7,992 22		500,000 00		7,992 22		Unknown
	24 Appleton st.		Jos. Hamblett	Dwelling	10 00	8 50	4,000 00	600 00	10 00	8 50		Gas jst set curtain
25 West Fifth st.	M. Golden		"	10 82	12 00	2,000 00	1,000 00	10 82	12 00		Careless use of matches	
28 Fairmount st.	P. A. Hill		"	50 00		6,600 00		50 00		" " "		
28 Hoyt ave.	"	B. Coates	"		18 00		1,000 00		18 00		Overheated boiler	
June		2 Lakeview ave		Severall	"							Gas leak set wood
		3 Central st.	D. Cadoret	"	10 00		2,250 00		10 00		5 00	Out side gas light
		4 Central st.	B. Bernidina	Fruit Store		5 00		700 00		5 00		Unknown
			C. Marharsin	"		10 00		500 00		10 00		

Reported Fires		Loss
Buildings - - - - -	\$24,063	07
Contents - - - - -	10,038	12
Total - - - - -	<u>\$34,101</u>	19

ANNUAL REPORT

OF THE

Superintendent of Street Lights

LOWELL, MASS.

FOR THE

Year Ending December 31

1907



LOWELL, MASS.
BAKER PRINTING COMPANY.
1908.

REPORT.

LOWELL, January 1, 1908.

To the Mayor and Board of Aldermen :

GENTLEMEN :—Herein is submitted the annual Report of the Superintendent of Street Lights for the year ending December 31, 1907.

The lighting of the streets is all done by contract with a rebate for all lights not burning the designated time. In addition to the police, three permanent men from the fire department are detailed to look after all lights and see that they are kept in good order and giving the amount of light the city pays for.

The Board of Aldermen ordered the past year the location of forty-six (46) gas, forty-two (42) incandescent and eight (8) arc lights. At present there are twelve

hundred and ninety (1290) gas, five hundred and twenty nine (529) incandescent and five hundred and forty-one (541) arc lights, in addition there are seventeen (17) gas lights owned by the different Corporations, the City paying for the gas, also there are eight (8) arc lights on Fort Hill Park which burn four or five months each year. The gas lights are burning under a contract for five years from October 13, 1905 with the Lowell Gas Light Co., for \$22.75 each light per year, to burn all and every night. September 1, 1906, a new contract was made with the Lowell Electric Light Corp. for arc and incandescent lights the price of the arc lights to be \$100 and the incandescents \$22.50 per year, to burn all and every night.

The forty-six (46) new gas lights were located as follows; Aiken 1, Billerica 4, B 4, Boisvert 2, Bridge 1, Broadway 1, Chester 1, Eddy 1, Elm 1, Easton 4, Gardner Ave. 1, Hamstead 2, Lakeview Ave. 1, Lawton 1, Meadowcroft 1, Mt. Hope 1, Mammoth Road 1, Phoenix 9, Perry 2, Nineteenth 1, School 1, Shaw 1, Tanner 1, Vine 1, Worthen 1, Wyman 1; there have been two (2) discontinued, one corner Moody and Colburn, the other at Lincoln Street crossing, two (2) arc lights taking their place; the locations of two have been changed, one on Whipple the other on Cedar Street.

The forty-two (42) incandescents were located as follows: Corey 1, Clark Road 10, East Merrimack 1, Middlesex 1, Nelson Ave 1, Perry 1, Tanner 1, Viles Ave. 1, Varnum Ave. 21, Washer cor. Bolt 1, Webber 2, West View 1; the locations of two were changed, one on Perry the other on Quebec Street. The eight new arc lights were located on Hall 1, Lincoln Street Crossing 1, Lawrence 1, Moody 1, North Common 1, South Common 1, Shattuck 1,

Thorndike 1; two (2) arc lights on Middlesex Street were changed one to the corner of Webber Street the other to the corner of Pratts Avenue.

The following statement will show the appropriation and expenditures for the year 1907.

Appropriation	\$92,965.00
Receipts	582.20
	<hr/>
Total,	\$93,547.20
EXPENDITURES	
Lowell Electric Light Corp. .	\$64,143.52
Lowell Gas Co., Streets .	29,227.57
Lowell Gas Co., Public Buildings	28.80
Sundries	147.31
	<hr/>
Total	\$93,547.20

The value of all property as near as can be ascertained in the care of the Superintendent of this Department is \$10,000.

Respectfully submitted,

EDWARD S. HOSMER,

Superintendent.

Fifth Annual Report

OF THE BOARD
OF

Park Commissioners

OF THE

CITY OF LOWELL

FOR THE

Year Ending December 31, 1907



LOWELL, MASS.:
C. I. HOOD CO. PRINTING DEPARTMENT
1908

Department of Public Parks

Commissioners' Report for 1907

*To His Honor the Mayor, and the City Council of the
City of Lowell, Massachusetts*

As required by Chapter 28, Section 13 of the Revised Laws of Massachusetts, entitled "Public Parks, Playgrounds and the Public Domain," the Board of Park Commissioners of the City of Lowell have the honor to submit their fifth annual report.

Board of Park Commissioners

1907 - 1908

*JOHN J. PICKMAN, 1903-1913.

*JOHN E. DRURY, 1907-1912.

*PERCY PARKER, 1906-1911.

*THALLES P. HALL, 1905-1910.

*HARVEY B. GREENE, 1904-1909.

* Re-appointed.

Officers

Chairman,
JOHN J. PICKMAN.

Secretary,
JOHN E. DRURY.

General Superintendent,
CHARLES A. WHITTET.

Consulting Engineer,
GEORGE BOWERS, City Engineer.

Park Areas and their Valuation

The Rogers Fort Hill Park,	34.40 Acres	\$150,000
The South Common,	22.48 "	200,000
The North Common,	11.39 "	100,000
Tyler Park,	1.81 "	8,000
Belvidere Park,	1.77 "	20,000
Mt. Vernon Park,	0.50 "	4,350
Varnum Park,	0.135 "	6,000
Monument Square,	0.092 "	15,000
Penniman Square,	0.051 "	450
Lincoln Square	0.016 "	200
Hovey Square,	0.010 "	50
Mansur Square,	0.040 "	150
Water Works Square,	0.047 "	500
Coburn Square,	0.252 "	1,000
Hutchinson Square,	0.037 "	150
	<hr/> 72.580 Acres	<hr/> \$505,850

Report of the Park Commissioners

For the Year 1907

The Fifth Annual Report of the Park Commission to the City Council of the City of Lowell is herewith presented:

This is the Fifth year since the acceptance of the Park Act by the City of Lowell and the appointment of Commissioners under it.

The supervision of the parks and commons of the City by a Commission has afforded the opportunity for the adoption of a plan of systematic development of the park system, making it possible thereby to secure method and continuity in the work. Mr. Olmsted, the landscape architect, has been employed by the Commission to make recommendations and plans accompanying the same, respecting the work on the parks and commons, and most of the improvements that have been made were made in pursuance of his recommendations. It has been the policy of the Commission to expend each year for permanent improvements a part of its appropriation, and a statement is appended to the report showing the amount expended annually for improvements for some years prior to the appointment of the Commission, and since its appointment. The financial condition of the

City this year did not permit of a large appropriation for parks and commons, and the expenditure for permanent improvements was limited to the parks and commons requiring immediate attention. The larger part of the sum set apart for permanent improvements was expended on the North Common, Tyler Park and Fort Hill Park.

NEW PARK LANDS

The efforts of the Commission to obtain the use of the land bordering on the canals in the city, particularly the land on the easterly side of Anne street for park purposes, have not yet been successful. The chief difficulty met with is in obtaining a tenure of the lands from the corporation owning or controlling them, that would permit the money of the city to be expended under the direction of the Commission for the care and keeping of the same for park purposes. To remove the legal difficulties that interpose it may be necessary to obtain the passage of an Act of the Legislature. It is certain that no pains should be spared to make it possible to obtain for park purposes parcels of land so advantageously located for breathing places near the centre of the City. There are very many other vacant spaces in the City available for park purposes, some of which could be obtained doubtless for a reasonable price, and it will be a source of regret in years to come if these spaces are not obtained. It is desirable that in every part of the City there should be a breathing place, not necessarily large in area, but sufficiently so to afford the public the opportunity for rest or recreation. There are few cities in the Commonwealth whose park area is less than that of Lowell, and it is desirable to create a public sentiment that may result in lands being added to the park system from time to time, provided the same can be obtained.

for a reasonable price. It is hoped that a broad and fair-minded view may be taken by the citizens in dealing with the subject.

Mr. Caleb L. Smith and his wife, Sarah A. Smith, have given to the City a tract of land on the corner of Chelmsford street and Stevens street for a public park, and a lot of land on Chelmsford street owned by the City near the Lincoln school-house has been put under the care of the Commission. It will make an excellent playground for the pupils who attend the school, and it is probable that an effort will be made to make it attractive by planting in it shrubbery and trees.

Many of the residents of Pawtucketville have signed a petition addressed to the Commission asking that action be taken relative to obtaining by lease or otherwise, land in that part of the City to be used for a park or playground.

PLAY GROUNDS

On the North Common a playground has been made for the children and apparatus placed thereon. The apparatus is very substantially built, and there was occasion that it should be. It was in constant use during the season, and its strength and endurance were tried to the utmost. The experience with playgrounds in both of the Commons warrants the view that they should be made in other parts of the city. The expense incident to the care of the apparatus is small, and there are very many vacant spaces in the City that can be obtained by lease for a very moderate rental. These lands, if sufficiently large in area, should be used also for playing baseball, foot ball, tennis and other athletic games. It is good missionary work to afford abundant opportunity for the children and youth of the City to spend some of their leisure time and to expend their energies in health-

ful exercise during the vacation hours in the long days of summer. A liberal appropriation by the city council would afford the opportunity for the Commission to do excellent work in this direction.

SOUTH COMMON

The legislature of this year passed an act authorizing the board of Park Commissioners to rent parts of the South Common for the purpose of amusement and recreation upon the Fourth of July and Labor Day and the days immediately preceding and following those days. This year lots were rented on the South Common on the Fourth of July as had been done in former years.

FORT HILL PARK

There remains considerable work to be done on Fort Hill Park to carry out the plans of the landscape architect, particularly on the land at the right of the entrance. It is probable that next year substantial progress will be made in the work that has been delayed some years by reason of a lack of funds.

LENOX STREET STABLE

The City Council has purchased the land and buildings on Lenox street for the use of the Commission. The building has been used for several years for the stabling of the horses and for the storage of the equipment of the Park Commission. Changes will be made to better adapt the building for the use of the Commission.

MOTHS

The work of the removal of the nests of the brown tail and gypsy moths seems to increase with the efforts to remove these pests. A great deal of work has been done this year in this city for the removal of the nests and valuable aid has been given by the pupils in attendance upon the public schools. Mr. A. K. Whitcomb, the superintendent of schools, has aided the Commission very materially in this department of its labor by his efforts to interest the school children and the public generally in the preservation of the trees of the City. Some means should be employed by the State Superintendent to maintain the same standard of efficiency in the removal of the nests and moths in towns adjacent to the City of Lowell. There may be the utmost efficiency in the removal and destruction of the nests in this city, but if in the neighboring towns the work of removal is inefficiently done, this city will suffer the next season, as there is no dead line between the towns and the city over which the moth cannot pass. The growing expense incident to the removal of the nests of the brown tail moth and the gypsy moth makes it certain that the only effective way to deal with these pests is by the importation and cultivation of the parasites that are the natural enemies of the moths. The City appropriated \$6,000.00 for the removal of nests the current year, and 370,708 nests have been removed and destroyed.

TREES

The appropriation for trees this year was \$500.00 in amount. The work for the removal of trees and the trimming of the trees was affected necessarily by the small appropriation. There were many applications for

the removal and the trimming of trees during the year. It is to be regretted that the appropriation for trees should vary so much from year to year, as plans for improvements covering any considerable period of time cannot be made or carried out by reason of the uncertainty of being able to do the work necessary to be done each year to carry out the plans. There have been 60 trees removed.

CONCLUSION

There is need of an awakening of public interest in subjects that pertain to making the City a more attractive living place. There are offensive billboards to be removed, streets and alleys to be cleaned and kept clean, school yards to be planted and kept in an attractive condition, trees to be planted, playgrounds for the children and athletic grounds to be obtained and laid out, and public squares to be improved. The time is ripe for earnest and efficient work by the citizens interested in the welfare of the city.

The Middlesex Woman's Club is doing excellent service in calling the attention of the public to the needs and opportunities for civic improvement, and there is abundant room for individual and associated effort with the same object in view.

The Commission is hampered in its work by the lack of means, and it would be greatly aided by a vigorous public sentiment favoring better conditions in the City that would result in the means being afforded more adequately to do the work that ought to be done and in securing aid and co-operation in the work. The City is favored with respect to its location, its contour and its water ways, natural and artificial, and it may be made

with respect to its parks and commons one of the most attractive cities in the Commonwealth. It is possible to make it so when its citizens really want "the things that are more excellent."

The thanks of the Commission are due to His Honor the Mayor and to the City Council for their interest and co-operation in the work of the Commission.

Mr. Whittet, the superintendent, deserves credit for his efficient service during the year.

A detailed statement of the receipts, expenditures and liabilities is herewith appended.

Respectfully submitted,

JOHN J. PICKMAN,
JOHN E. DRURY,
PERCY PARKER,
THALLES P. HALL,
HARVEY B. GREENE.

Statement of the amounts paid for the maintenance of the Parks and Commons of the City and for improvements therein for some years prior to the appointment of the Commission, and since the appointment of the Commission.

COMMITTEE OF THE CITY COUNCIL.

Years	Amount
1900.	
Paid for maintenance.....	\$12,639.13
Paid for improvements, Special Appropriation, Fort Hill Park.....	3,489.61
1901.	
Paid for maintenance.....	12,916.12
Paid for improvements, Special Appropriation, Fort Hill Park.....	2,857.78
1902.	
Paid for maintenance.....	11,389.21
Paid for improvements, Special Appropriation, Fort Hill Park.....	4,955.38
1903.	
Paid for maintenance, for 4 months of the year	3,751.87

COMMISSION.

1903.	
Paid for maintenance 8 months.....	4,777.79
Paid for improvements taken from the Ordinary Appropriation.....	1,928.33
1904.	
Paid for maintenance.....	8,416.60
Paid for improvements taken from the Ordinary Appropriation.....	3,679.26

Years	Amount
1905.	
Paid for maintenance.....	7,941.32
Paid for improvements taken from the Ordinary Appropriation	4,829.88
1906.	
Paid for maintenance.....	10,912.08
Paid for improvements taken from the Ordinary Appropriation.....	4,226.60
1907.	
Paid for maintenance.....	9,183.70
Paid for improvements taken from the Ordinary Appropriation	3,093.30

Since the appointment of the Commission the public Squares named below have been added to the park system of the City and put under the care of the Commission :

Hovey Square.
Mansur Square.
Water Works Square.
Coburn Square.
Hutchinson Square.
City Hall and Memorial Building Grounds.

Financial Report

Lowell, Mass., December 31, 1907.

TO HIS HONOR THE MAYOR AND THE CITY COUNCIL OF
THE CITY OF LOWELL, MASS.

Gentlemen:—

The Board of Park Commissioners has the honor to submit herewith the Fifth Annual Report of the Park Department of the City, for the fiscal year ending December 31st, 1907. In presenting to you this report we have given a statement of the receipts and expenditures for the fiscal year, the financial condition of the several appropriations, the Superintendent's report to this department of the work and labor done in the Parks and Commons of this city.

Original appropriation for labor.....	\$8,500.00
Expended for labor.....	8,500.00

Balance....	.....
Original appropriation for sundries.....	\$3,500.00
Received from appro. from Moth Work.....	277.00

Total for Sundries.....	\$3,277.00
Expended for Sundries.....	\$3,277.00

Balance.....	.....

ATHLETIC APPROPRIATIONS FOR THE NORTH AND SOUTH COMMONS.

Balance of appropriation January 1, 1907.....	\$217.50
Paid Narragansett Machine Co. for slide, swings and Saws	217.50

Balance..	.....

We received from the rental of lots on the South Common on July 4th the sum of \$1,031.00, which was paid into the General Treasury Fund of the city.

MAINTENANCE

NAME	LABOR	MATERIAL
North Common	\$ 759.21	\$ 3.00
South Common	1,070.74	52.93
Fort Hill Park	2,280.76	458.42
Belvidere Park	149.93	31.30
Tyler Park	155.42	11.24
Mt. Vernon Park	60.11	.56
Monument Square	45.52	28.80
Hovey Square	13.26	7.10
Mansur Square	16.48	13.36
City Hall and Memorial Building Grounds	146.93	22.30
Lincoln Square	5.88	2.25
Varnum Park	18.97	8.48
Penniman Square	18.19	5.60
Water Works Square	16.72	14.46
Lenox Street Stable	239.73	1,604.74
Carpenter Shop and Tool House	95.50	379.61
Hutchinson Square		
Abraham Lincoln Playground		
Superintendent's Salary and Office Expenses	1,300.00	146.20
	<u>\$6,393.35</u>	<u>\$2,790.35</u>

IMPROVEMENT

	LABOR	MATERIAL	TOTAL
	\$ 337.03	\$ 68.13	1,167.37
	57.59	120.01	1,301.27
	1,150.05	347.32	4,236.55
			181.23
	471.24	119.76	757.66
			60.67
			74.32
			20.36
			29.84
			169.23
			8.13
			27.45
	22.00	2.70	48.49
			31.18
	44.56	328.73	2,217.76
			475.11
	3.43		3.43
	20.75		20.75
			1,446.20
	<u>\$2,106.65</u>	<u>\$986.65</u>	<u>\$12,277.00</u>

BALANCE SHEET, DECEMBER 31, 1907.

Dr.		Cr.	
North Common	\$1,167.37	Appropriation	\$12,000.00
South Common	1,301.27	Sundry Receipts.....	277.00
Fort Hill Park.....	4,236.55		
Belvidere Park	181.23		
Tyler Park	757.66		
Mt. Vernon Park.....	60.67		
Monument Square	74.32		
Hovey Square	20.36		
Mansur Square	29.84		
City Hall and Memorial Building Grounds	169.23		
Lincoln Square	8.13		
Varnum Park	27.45		
Penniman Square	48.49		
Water Works Square....	31.18		
Lenox Street Stable.....	2,217.76		
Carpenter Shop and Tool House	475.11		
Hutchinson Square	3.43		
Abraham Lincoln Play- ground	20.75		
Superintendent's Salary and Office Expenses...	1,446.20		
	-----		-----
	\$12,277.00		\$12,277.00

TO WHOM AND FOR WHAT MONEY WAS PAID OUT DURING THE YEAR.

JANUARY.

To whom	For What	Amount
Boston & Northern St. Railway	rent	\$25.00
Lowell Electric Light Corp.	light	7.40
Donovan Harness Co.	repairs	.75
Proprietors of the Locks & Canals	blasting mats	10.00
Appropriation for Water Works	water	2.52
J. T. Williamson	repairs on teams	23.00
John J. Donnelly	horse shoeing	3.15

To Whom	For What	Amount
American Express Co.	express	.50
H. E. Noyes & Son	oats	33.47
Harry Parker	manure	24.19

		\$129.98

FEBRUARY.

To Whom	For What	Amount
Joseph Mullen	oats	\$ 37.50
Mrs. C. A. Frost	manure	123.37
Sampson & Murdock Co.	directory	3.00
G. C. Prince & Son	postage stamps and pad	5.25
H. C. Girard Co.	snow shovels	1.50
Fred A. Fox	hay	51.97
Donovan Harness Co.	collar	4.50
J. T. Williamson	horse shoeing	6.00
Lowell Electric Light Corp.	light	2.82
Narragansett Machine Co.	park see-saw	18.75
Boston & Northern St. Railway	rent	12.50
C. I. Hood Co.	printing report	82.56

		\$349.72

MARCH.

To Whom	For What	Amount
Paul Vigeant & Co.	oats	\$ 46.80
J. T. Williamson	ironing cart	28.25
John J. Donnelly	horse shoeing	12.60
G. C. Prince & Son	postage stamps	15.00
Lowell Electric Light Corp.	light	2.12
Boston & Northern St. Railway	rent	12.50
Boutwell Bros. Inc.	seat springs	2.00
Butterfield Printing Co.	printing envelopes	9.65
Bartlett & Dow	hardware	4.55
Davis & Sargent Lumber Co.	lumber	250.54

		\$154.01

APRIL.

To Whom	For What	Amount
Fred A. Fox	hay	\$ 70.89
The H. R. Barker Mfg. Co.	rep. coupling	.25
Bartlett & Dow	rakes and hardware	6.30
Edward Cawley	pipe	1.13
Donovan Harness Co.	pads, sponges, oil, soap & whip	13.65
C. B. Coburn Co.	dryer and brush	.65
Boutwell Bros. Inc.	iron pipe	24.20
John J. Donnelly	horse shoeing	11.95
Lowell Electric Light Corp.	light	1.78

		\$130.80

MAY.

To Whom	For What	Amount
Boston & Northern St. Railway	rent	\$ 25.00
Joseph Peabody, Agent	insurance	30.96
J. H. Sparks	medicine	1.00
John J. Donnelly	horse shoeing	2.65
Lowell Electric Light Corp.	light	1.36
Boston & Maine Railroad	freight	3.33
Charles E. Gee	sharpening lawn mowers	17.80
H. R. Barker Mfg. Co.	pipe & fittings	32.83
Bartlett & Dow	tools, lawn mowers & hard- ware	113.54
C. B. Coburn Co.	oil, ropes & turpentine	9.73
Joseph Mullin	oats	80.95
Adams Hardware & Paint Co.	pail & duster	.95
Donovan Harness Co.	harness dressing & chamois skin	2.90
J. T. Williamson	iron work	5.10
George E. Hutchins	rubber boots & apron	5.50
Fred A. Fox	hay	26.46
Ohio Road Machinery Co.	earth grader	75.00
Burnham & Davis Lumber Co.	lumber	109.58

To Whom	For What	Amount
E. A. Wilson & Co.	cement & brick	15.75
Boutwell Bros. Inc.	wheels & axles	99.66
Edward Cawley	lime & pipe	8.45
John C. Bennett	paint, shellac & brushes	11.90
Pratt & Forrest	lumber	15.40

		\$695.80

JUNE.

To Whom	For What	Amount
Whittet & Company	plants & shrubs	\$360.60
R. J. Haight	subscription to Park & Cemetery	\$1.00
Charles A. Whittet	expenses to Pepperell	2.70
Bartlett & Dow	bolts	2.68
Ames Plow Co.	waste barrels	21.00
C. B. Coburn Co.	sperm oil & hellebore	11.00
John J. Donnelly	horse shoeing	15.45
Donovan Harness Co.	curry comb, brush & pad	2.60
Appropriation for Water Works	water	4.03
R. J. Lang & Co.	camphor balls	.20
J. J. McManmon	shrubs	6.00
The Dingee & Conrad Co.	plants	7.40
J. B. Cover & Co.	corn	3.75
Boston & Northern St. Railway	rent	12.50
Butterfield Printing Co.	printing	4.75
O. D. Wilder	oats	41.42
N. Y. & Boston Express Co.	express	1.90
Pratt & Forrest	lumber	20.02

		\$519.00

JULY.

To Whom	For What	Amount
George W. Trull	hay	\$117.18
Manchester & Concord Ex. Co.	express	.75
Boston & Northern St. Railway	rent	12.50

To Whom	For What	Amount
Livingston Grain Co.	oats	40.25
Boston & Maine Railroad	freight	.25
F. M. Bill & Co.	cayenne pepper	1.26
John J. Donnelly	horse shoeing	8.40
George W. McIntire,	loam	56.25
John C. Bennett	paint & turpentine	4.54
Carroll Brothers	drinking cups	3.60
Lowell Gas Light Co.	gas	2.00
Lowell Electric Light Corp.	light	1.00
Charles E. Gee	sharpening lawn mowers	3.00
Boutwell Bros. Inc.	rims & axles	5.42
The H. R. Barker Mfg. Co.	setting drinking fountain & fixtures	14.61
Pratt & Forrest	lumber	6.63
Bartlett & Dow	tools, screws & bolts	3.90
Lewis Young	painting flag pole,	26.00
Donovan Harness Co.	polish, rep. seat, dasher and recovering shafts	14.60

		\$322.14

AUGUST.

To Whom	For What	Amount
John J. Donnelly	horse shoeing	\$18.90
George M. Foster	oats & shorts	47.21
Lowell Electric Light Corp.	light	4.00
N. E. Tel. & Tel. Co.	telephone	.20
N. Y. & Boston Express Co.	express	.80
H. R. Barker Mfg. Co.	labor, bibbs & fixtures	6.85
J. H. Sparks	vet. services	4.00
Bartlett & Dow	tools, bolts & grass seed	12.09
C. B. Coburn Co.	vaseline	.15
Donovan Harness Co.	sponges & washers	1.10
Narragansett Machine Co.	castings, swings & rope	33.00
Staples Brothers Co.	tile	3.00
O'Dowd & Preston	rubber tires	32.00

		\$163.30

SEPTEMBER.

To Whom	For What	Amount
Bartlett & Dow	tools, hardware & grass seed	\$ 58.74
The Suburban Press	sub. Suburban Magazine	4.50
Lowell Electric Light Corp.	light	1.00
J. H. Sparks	vet. services	4.00
Elmer E. Cole	oats	49.50
Q. A. Foster	horse shoeing	1.75
C. B. Coburn Co.	creolin	1.00
Boston & Northern St. Railway	rent	12.50
Doubleday, Page & Co.	subscription Country Life	4.00
George W. Trull	hay	55.82
G. M. Parker	hay	61.26
N. E. Tel & Tel Co.	telephone	.34
Charles E. Gee	sharpening lawn mowers	9.20
Charities & Commons	subscription	2.00
John J. Donnelly	horse shoeing	4.90
Pratt & Forrest	lumber	27.09
Donovan Harness Co.	feed baskets & medicine	6.65
		<hr style="width: 100px; margin-left: auto; margin-right: 0;"/> \$304.25

OCTOBER.

To Whom	For What	Amount
John J. Donnelly	horse shoeing	\$4.25
Dr. C. A. Hamblett	vet. services	2.00
Boston & Northern St. Railway	rent	12.50
J. H. Sparks	vet. services	4.00
Appro. for Water Works	water	7.10
J. T. Williamson	iron work	8.20
Willetts Bros.	horse shoeing	3.18
Alfred Skinner	carbolic acid, sulphur and meal	1.00
H. R. Barker Mfg. Co.	plugs	.19
John C. Bennett	paint & oil	3.20
Bartlett & Dow	tools & hardware	36.20
Boutwell Bros. Inc.	iron hardware	3.32
Joseph Mullin	oats and shorts	53.15
C. B. Coburn Co.	putty & glass	2.16
Donovan Harness Co.	harness dressing, soap, etc.	6.20

To Whom	For What	Amount
Clarence G. Coburn	sod	24.69
Pratt & Forrest	lumber	38.22
Whittet & Company	bulbs	193.00

		\$402.56

NOVEMBER.

To Whom	For What	Amount
Lowell Electric Light Corp.	light	\$3.31
Lowell Gas Light Company	light	.18
John J. Donnelly	shoeing	11.55
M. Horlink	manure	23.38
Michael Maguire	hay	47.64
Paul Vigeant & Co.	oats	53.36
American Express Co.	express	2.65
Donovan Harness Co.	repairing harness	2.40
Edward Cawley	pipe	.50
C. B. Coburn Co.	glass	.51
Pratt & Forrest	lumber	33.05

		\$178.53

DECEMBER.

To Whom	For What	Amount
G. F. Mansfield	recovering roof to stable	\$275.00
Bartlett & Dow	hardware	1.88
American Express Co.	express	.30
Daniel T. Sullivan	brick and cement	4.85
Doubleday, Page & Co.	sub. Garden Magazine	1.00
Elmer E. Cole	oats	16.74
Edward Cawley	lime	1.10
Cora J. Wilson	hay	38.10
New England Broom Co.	bass brooms	6.50
C. F. Morse	sleigh rails	2.25
Lowell Electric Light Corp,	light	2.30
B. M. Hutchins	typewriting reports	15.00
Boston & Northern St. Railway	rent.	25.00
John J. Donnelly	shoeing	13.05
Joseph Mullin	hay	12.00
Pratt & Forrest	lumber	11.84

		\$426.91

LABOR AND SALARY PAY ROLL FROM JANUARY 1, TO DECEMBER 31, 1907.

January	Pay roll No.	1, 2, 3, 4,	\$244.02
February	" " "	5, 6, 7, 8,	397.04
March	" " "	9, 10, 11, 12, 13,	327.72
April	" " "	14, 15, 16, 17,	482.97
May	" " "	18, 19, 20, 21,	1,025.70
June	" " "	22, 23, 24, 25, 26,	1,252.58
July	" " "	27, 28, 29, 30,	1,007.63
August	" " "	31, 32, 33, 34, 35,	1,256.18
September	" " "	36, 37, 38, 39,	921.55
October	" " "	40, 41, 42, 43,	916.85
November	" " "	44, 45, 46, 47, 48,	373.25
December	" " "	49, 50, 51, 52,	294.51

			\$8,500.00

MONTHLY EXPENDITURES.

MATERIAL AND SUPPLIES.

January	\$129.98
February	349.72
March	154.01
April	130.80
May	695.80
June	519.00
July	322.14
August	163.30
September	304.25
October	402.56
November	178.53
December	426.91

Total	\$3,277.00

Respectfully submitted,

JOHN E. DRURY, *Secretary.*

LOWELL, MASS, DECEMBER 31, 1907.

TO HIS HONOR THE MAYOR AND THE CITY COUNCIL OF
THE CITY OF LOWELL, MASS.

Gentlemen:—

We have the honor to submit to you a report of the expenditures of the Department of Parks, of the Appropriation for the Care of Trees, from January 1, 1907, to December 31, 1907.

Original appropriation.....	\$500.00
Expended for labor and teaming.....	\$443.64
Expended for supplies.....	56.36 500.00

Balance unexpended

LABOR PAY ROLL FROM JANUARY 1, 1907,
TO DECEMBER 31, 1907.

March	Pay roll No.	1,	\$2.06
April	“ “ “	2, 3,	28.39
May	“ “ “	4,	.25
June	“ “ “	5, 6, 7, 8,	53.69
July	“ “ “	9, 10, 11, 12,	106.53
August	“ “ “	13, 14, 15, 16,	102.94
September	“ “ “	17, 18, 19, 20,	49.82
October	“ “ “	21, 22, 23, 24,	76.31
November	“ “ “	25, 26,	21.02
December	“ “ “	27,	2.63
Total			\$443.64

TO WHOM AND FOR WHAT MONEY WAS PAID OUT DURING THE YEAR.

FOR THE CARE OF TREES.

To Whom	For What	Amount
H. C. Girard Co.	tacks and hammer	.20
Butterfield Printing Co.	printing notices	5.50
H. L. Gonzales	sharpening saws	5.75
Rice & Company	wire cloth	9.55
Boutwell Bros. Inc.	wedges	3.36
W. A. Mack & Co.	repairing fence	17.00
C. F. Young	removing tree	15.00
		<hr/>
		\$ 56.36

MONTHLY EXPENDITURES.

LABOR AND SUPPLIES.

March	\$ 2.26
April	34.39
May .....	.25
June	53.69
July	108.03
August	112.99
September	72.93
October	76.81
November	36.02
December	2.63
	<hr/>
Total	\$500.00

Respectfully submitted,

JOHN E. DRURY, *Secretary.*

LOWELL, MASS, DECEMBER 31, 1907.

TO HIS HONOR THE MAYOR AND THE CITY COUNCIL OF
THE CITY OF LOWELL, MASS.

Gentlemen:—

We have the honor to submit to you a report of the expenditures of the Department of Parks, of the Appropriation for the Extermination of the Gypsy and Brown tail moths, from January 1, 1907 to December 31, 1907.

Balance of 1906 Appropriation.....	\$1,046.90
Additional Appropriation	6,000.00

Total Appropriation	\$7,546.90
 Expended for equipment, material & supplies.....	 \$1,230.57
Expended for labor.....	6,316.33

Balance

TO WHOM AND FOR WHAT MONEY WAS PAID
OUT DURING THE YEAR.

FOR THE EXTERMINATION OF THE MOTHS.

JANUARY.

To Whom	For What	Amount
Boston & Maine Railroad	freight	.68
American Express Co.	express	.25
Bartlett & Dow	pruners, spurs & screws	28.00
C. W. H. Moulton & Co.	ladders	92.10
Pratt & Forrest	poles	12.29
Donovan Harness Co.	straps and pads	3.80
Desmarteau & Falardeau	sharpening shoes	.80
L. J. Richards & Co.	Atlas of Lowell	25.00

		\$162.92

FEBRUARY.

To Whom	For What	Amount
C. B. Coburn Co.	brushes, creosote and marlin	\$ 3.85
Bartlett & Dow	spurs & pruners	8.81
Donovan Harness Co.	straps & pads	5.70
J. T. Williamson	repairing	3.75
Pratt & Forrest	poles	19.01
N. E. Tel & Tel Co.	telephone	.80

		\$41.92

MARCH.

To Whom	For What	Amount
Appro. to Park Dept.	horse hire	\$231.00
Adams Hardware & Paint Co.	pruners	25.00
N. E. Tel & Tel. Co.	telephone	.20
George A. Hardy	team hire	18.00
Bartlett & Dow	pruners, screws & springs	4.45

		\$278.65

MAY.

To Whom	For What	Amount
C. B. Coburn Co.	gasoline	\$ 1.85
Bartlett & Dow	knives	1.20
The Adams Hardware & Paint Co.	twine	1.68
Stoddard, Haserick, Richards & Co.	burlap	33.87

		\$38.60

JUNE.

To Whom	For What	Amount
Fred. C. Church	insurance	\$ 50.00
Edward Goggin	horse	150.00
Lunt Moss Company	repairing engine	1.00
Stoddard, Haserick, Richards & Co.	burlap	101.81
J. T. Williamson	iron work	1.00
George E. Hutchins	hose	3.60
American Express Co.	express	3.21
N. E. Tel & Tel. Co.	telephone	1.28

		\$311.90

JULY.

To Whom	For What	Amount
C. B. Coburn Co.	paint	\$1.60
Charles E. Robinson	paper	4.00
C. H. Hanson & Co.	horse hire	2.50
A. W. Chesterton & Co.	brushes	8.10
American Express Co.	express	1.47
Bowker Insecticide Company	tubes	2.40
Arthur Bartlett	clerk hire	29.00

		\$49.07

AUGUST.

To Whom	For What	Amount
The Adams Hardware & Paint Co.	twine	.30
Bartlett & Dow	hand saws	1.20

		\$1.50

SEPTEMBER.

To Whom	For What	Amount
Bartlett & Dow	axes, scythes, wrench. etc.	\$ 51.55
Charles A. Whittet	railroad fare	2.00
G. C. Prince & Son	postage stamps	60.00
Butterfield Printing Co.	printed notices and envelopes	30.25

		\$143.80

OCTOBER.

To Whom	For What	Amount
G. C. Prince & Son	postage stamps	\$10.00
Charles A. Whittet	railroad fare	1.00
N. E. Tel & Tel. Co.	telephone	.60
Pratt & Forrest	lumber	9.96

		\$21.56

NOVEMBER.

To Whom	For What	Amount
Appro. Park Dept.	horse hire	\$ 46.00
J. T. Williamson	repairing irons	4.50
Donovan Harness Co.	straps & pads	11.60
Samuel Cabot	creosote	4.50
Bartlett & Dow	pruners, spurs & screw eyes	41.03
C. B. Coburn Co.	rope and line	30.22
C. W. H. Moulton & Co.	ladders	28.00

		\$165.85

DECEMBER.

To Whom	For What	Amount
Boston & Maine R. R.	freight	.25
Bartlett & Dow	pruners, springs & spicket	14.35
N. E. Tel. & Tel. Co.		.20

		\$14.80

LABOR AND SALARY PAY ROLL FROM JANUARY 1, TO DECEMBER 31, 1907.

January	Pay	roll	No.	1, 2, 3, 4,	\$805.00
February	"	"	"	5, 6, 7, 8,	669.79
March	"	"	"	9, 10, 11, 12, 13,	1,181.85
April	"	"	"	14, 15, 16, 17,	488.79
May	"	"	"	18, 19,	46.44
June	"	"	"	20, 21, 22, 23, 24,	210.23
July	"	"	"	25, 26, 27, 28,	404.34
August	"	"	"	29, 30, 31, 32, 33,	435.01
September	"	"	"	34, 35, 36, 37,	300.75
October	"	"	"	38, 39, 40, 41,	197.42
November	"	"	"	42, 43, 44, 45, 46,	779.89
December	"	"	"	47, 48, 49, 50	796.82

					\$6,316.33

MONTHLY EXPENDITURES.

MATERIAL AND SUPPLIES.

January	\$ 162.92
February	41.92
March	278.65
May	38.60
June	311.90
July	49.07
August	1.50
September	143.80
October	21.56
November	165.85
December	14.80

Total	\$1,230.57

Respectfully submitted,

JOHN E. DRURY, *Secretary.*

General Superintendent's Report

LOWELL, MASS., JANUARY 1, 1908.

TO THE PARK COMMISSIONERS.

Gentlemen:—

The following report which I respectfully submit to you gives a complete account of the work performed by this department under the direction of your Board during the past fiscal year, and also contains recommendations and suggestions for which I wish to bespeak your careful considerations.

THE ROGERS FORT HILL PARK.

During the past year the usual care to keep this park up to its accustomed condition has been bestowed upon it, and its appearance has in no way lost its attractiveness.

Several changes have been made towards the improving of the park during the past year; the old tool house which was fast going to decay has been removed and in its place a large and commodious building has been erected; near to the top of the hill and on the west side we have plowed up about five acres of ground, removed the rocks, manured and regraded about one-half of it; the remainder we will lay down to grass in the spring; some young maple trees have been planted along

the left-hand side of the main driveway leading to the top of the hill, and we expect to continue the planting to the top of the hill; the poplar trees which long had been an eyesore on the top of the hill have been removed along with several other trees which were dead or nearly dead. In the early spring a new fountain was placed in the lily-pond through the generosity of Messrs. Read, Morrison and Sullivan who reside near the park. The walks around the pond which have always been wet and muddy have been tiled and now are good and dry.

The limited means available for maintenance have restricted the execution of certain repairs which should receive attention this coming season. The most of the walks need to be entirely reconstructed, as in their present condition they are a menace to the public. I would recommend that the land in front of the park and to the right of the main entrance be graded and put into shape as the plans call for. The park could further be greatly improved if the necessary money was available, and now would be a favorable time.

BELVIDERE PARK.

The labor performed upon this park was about the same and of similar nature as in previous years, mostly in properly caring for the grounds. The park in its present condition of development does not call for expensive maintenance, in fact, it never will be a very costly park to maintain considering its size and its usefulness to a public which is most in need of such recreation grounds. No improvements of any kind have been carried out here this year.

VARNUM PARK.

This park received only ordinary maintenance care. I would strongly recommend that the seats and walks be removed, the gate replaced, the ground regraded and grassed down. For the past two or three years the gate has been removed, and what once was a beauty spot has become an eyesore to all the citizens of that section of the city.

MT. VERNON PARK.

This park is in a very fair condition; it has received only ordinary maintenance care.

MONUMENT SQUARE

Was kept in its usual good condition; it was made as attractive as possible with flowering bulbs and plants. It seems to me a shame that a square so centrally located and celebrated all over the country as being the last resting place of Ladd and Whitney, the first two men to fall in the defence of their country, while en route through the streets of Baltimore in 1861, should not receive more attention from the members of our city government. I would urge that sufficient money be appropriated to place this square in proper condition so that it will conform to the grounds around City Hall.

SOUTH COMMON.

No new work was done on this Common during the past season; it is in a very fair condition and can be kept in such for some time to come within a reasonable yearly allowance for maintenance.

The baseball grounds proved a continuous attraction, and it was in use every fair day of the season. A much wanted urinal has been installed near the pond at the end of the ball grounds.

NORTH COMMON.

A large amount of filling has been done on this Common during the past season; the playground has been filled in and graded, a large tract of land adjoining the playground which was from six inches to two feet below the level of the walks has been filled in and regraded, manured and sown with grass seed; the flag pole has been repainted, a new ball placed on the top.

TYLER PARK.

Several trees in this park that were fast going to decay and those that were crowding other and better trees were removed; the result of this will do much to preserve the trees left standing and will allow a freer circulation of air, better lawns and a much more pleasing effect.

A large amount of work has been done here during the past season; a large strip of ground on the front has been plowed, manured, and sown with grass seed; the rockery has been planted and in the course of time when the plants attain their growth will be a great improvement.

PENNIMAN SQUARE.

The trees surrounding this plot of ground have received a severe pruning, thereby allowing the sun and air to reach the ground; it has been regraded, manured and sown with grass seed.

WATER WORKS SQUARE.

Is a very pretty spot and in good condition, and for the present in need of no special improvement.

SMALL PARKS AND SQUARES.

All the smaller parks and squares scattered all over our city have each received some improvement, and all have been cared for as well as possible with the limited funds appropriated for maintenance.

NEW PARKS.

During the past year we have had presented to us by Caleb L. and Sarah A. Smith a parcel of land containing 1098.25 square feet situated at the junction of Stevens and Chelmsford streets, but owing to the small appropriation we have not as yet been able to place it in proper condition.

At the junction of Hutchinson and Liberty streets there is another square which we will place in proper shape this coming year.

Recently the Street Department have turned over to the Commission a large strip of ground adjoining the Lincoln School on Chelmsford street for the purpose of a playground.

The acquiring of outlying parks and reservations around our growing city should appeal to us all. It is surprising to read of the many developments which are taking place all over the country at the present time in the way of outer parks, the need of which and the possibility of which are regarded as the out-growth almost of the last decade.

Lowell, founded on the banks of the Concord and Merrimack Rivers, has an excellent opportunity for securing vacant land along the banks of these rivers and also of the canals. The economic principle of setting apart for park purposes those regions least adapted for building purposes is a sound one, and such regions often have a peculiarly picturesque or interesting topography that renders them highly valuable as parks; but it is not every city that has such natural advantages as we possess.

If we seek a gauge in the opinion of the people as expressed in their actions, we observe that a general activity has taken place during the past year in all sections of our city; petitions for parks and playgrounds have come from citizens of Centralville, Pawtucketville and the Highlands. I firmly believe that every ward in our city should have a park. I would recommend that some action be taken to secure the Livingston land in the Highlands; this tract of land contains about 35 acres which can be bought for something like \$15,000, and it would make one of the prettiest parks in this section of

the country, containing as it does, a stretch of woodland, a babbling brook, a large strip of ground suitable for a baseball ground, also some of the finest trees in this part of the country are to be found on this land. I believe we should forestall the inevitable growth of our city by seizing opportunities for reserving open spaces before they are built upon.

PLAYGROUNDS.

A playground is an outdoor space where boys and girls may play without restriction; where space for running and jumping and apparatus for play are provided; playgrounds are for recreation; playgrounds are for those having unrestricted and superfluous energy; playgrounds are educational, they are as necessary to the children as the schools are to the welfare of the community. Much benefit is being derived in a large number of our cities through the country, by providing playgrounds for the children where they can find recreation during vacation or after school hours, thus keeping them from the streets. To the child a playground must be made attractive, wholesome and so unrestricted as to give every child a proprietary interest. I believe that the grounds around the school houses could and should be thrown open to the children during the vacation period. What the city needs is to secure small tracts of land in certain sections for playgrounds and small parks. This should be done before the price of land is advanced.

The opportunity to provide playgrounds and recreation centers has appealed to many people of wealth in other cities, and I hope that in Lowell, too, those who know the value to the community of these institutions

may come forward and found such centers which seek to protect children from evils of the street and to give opportunity for physical development. A large opportunity is thus presented for making this city more beautiful and improving the citizenship while earning the gratitude and admiration of fellow citizens, and securing especially the love of the boys and girls of today who will be the men and women of tomorrow. Who, then will provide for the development of grace and strength of mind and body in the future citizens of our city?

I have no doubt that the mayor, the aldermen and other city officials will be pleased to assist in securing the use of the waste places of the city, and also provide the necessary funds for furnishing the same with apparatus, on condition of their being used to the advantage of the children.

The cost of playgrounds has been found in certain cities to be as follows:

1 1-2 cents gives a boy or girl a playground for 1 day.

10 cents gives a boy or girl a playground for 1 week.

\$1.00 gives a boy or girl a playground for the summer.

The movement to obtain public playgrounds is spreading throughout the nation.

President Roosevelt says in one of his letters, "I hope that soon all of our public schools will provide in connection with the school buildings and during school hours, the place and time for the recreation as well as study of the children."

During the past two years we have expended the sum of \$500.00 for apparatus on the North and South Commons, consisting of see-saws, swings, sliding and teeter, ladders, sand boxes, slide, etc., I believe that it has been a wise expenditure of money and that it has given the children more enjoyment than they have had for many a year.

ANNE STREET PARK.

No person of public spirit will deny the advisability of securing this strip of ground along the bank of the Canal, for park purposes, situated as it is right in the heart of our city. I believe that there is no place in the city which would be enjoyed more by the people than this park and I would urge that you take such steps as you deem wise in securing this land for park purposes.

PARK DEPARTMENT STABLE.

During the past year the city government has purchased for the Park Department the building on Lenox street known as "The Old Car Barn" belonging to the Boston & Northern Street Railway. During the past five years the department have had no permanent home; now that it has become the property of this department we will have a permanent place in which to care for the horses and house the many vehicles which are essential in the proper maintenance of this department.

CARPENTER DEPARTMENT.

This department is a necessary one to the park system, as many repairs are required to the buildings, seats, vehicles, etc., and often on short notice. In addition to the repairs, much new work has been done by this department.

INSECTS.

During the past year an energetic warfare has been waged against the Brown-tail and Gypsy moths; in addition to these we have the imported Elm Leaf Beetle, the Tussock Moth and the San Jose scale to combat.

We have removed from the street trees and from the trees on private property 375,703 nests and pupae, the city has received back from the owners of the property for work performed \$3,011.05.

So far back as authentic records exist, the Gypsy moth has been a destructive insect pest in Europe; at times increasing enormously and disastrously, then decreasing, only to increase again and renew its extensive ravages.

In 1868 the insect was brought from Europe by an experimenter to Medford, Mass. Soon escaping, it spread into many cities and towns of eastern Massachusetts, and, increasing enormously, in 1890 it became so serious a pest that the Commonwealth began exterminative work against it, which continued for ten years. By 1900 the state work had so reduced the moth that it was doing little or no serious damage, and had ceased to be generally noticed. The Commonwealth then abandoned its operations against the insect, whereupon it gained headway rapidly, and soon became again a formidable menace. Today, in many localities, the gypsy moth occurs in enormous numbers, but it is found over a much larger territory than it occupied at that time.

The gypsy moth caterpillar will attack all fruit, shade and woodland trees; it shows a preference for the apple, white oak, red oak, willow and elm. It will devour on occasion nearly every useful grass, plant, flower, shrub, vine, bush, garden or field crop that grows in Massachusetts.

The caterpillar kills both deciduous and coniferous trees. Woodlands assailed by it in formidable numbers are stripped bare, as in winter, and many trees are killed. Several consecutive strippings are usually necessary to cause the death of a healthy deciduous tree; one thorough stripping will kill the white pine and other coniferous trees. The eggs are laid in July and August in a yellowish, hair-covered mass averaging about one and one-half inches long and about three-fourths of an inch wide.

The eggs hatch about May 1st and each mass yields a swarm of small caterpillars, the bulk of which become fully grown by midsummer. The Gypsy moth caterpillars are decidedly hairy; the head of the caterpillar is large in proportion to its body.

The Brown-tail moth throughout Europe is known as the "Common Caterpillar." It found its way accidentally to Somerville, Mass., in the early nineties, probably in a shipment of roses from Holland; it has multiplied and spread over eastern New England.

From July 15th to the end of the month, the white moths lay their eggs in brown, hair-covered masses on the leaves near the top of pear and other trees. The eggs hatch during August and the young caterpillars begin to feed in clusters on the upper surface of the leaves.

The Tussock Moth eggs are laid in a white, froth-covered mass on the old cocoon on the bark of elm, horse chestnut, pear and other trees. They appear about June 1st, and when full grown are yellowish gray in color with a red head and with two pencils of black hair pointing forward from the head and a single pencil pointing backward from the tip of the body. There are also four dense tufts of white hair on the back. The cocoon is spun on bark, fences and house walls. The male moth is of a chocolate brown color and expands about 3-4 of an

inch; the female, light gray, spider-like and wingless. There is usually a second brood in late summer.

Imported Elm Leaf Beetle eggs are laid in June in small, compact clusters on under side of the leaf of elm. The egg clusters resemble those of the potato beetle but are smaller and of a lighter yellow color. Larva: the slugs feed almost wholly on the lower side of the leaf, consuming the epidermis and leaf tissue. By July 15 infested trees often appear as if swept by fire. When fully grown the slugs are about 1-2 inch long, and are light yellow in color with black markings on either side of the body. Pupae: small, orange colored bodies, found in great masses at base of tree or in rough bark. Beetle: about 1-3 inch long, dull smoky yellow, with dark colored wings. A partial second brood occurs in some seasons. The mature beetle hibernates under shingles and clapboards of buildings, under rough bark and in various sheltered places. Their early feeding in spring causes the trees to appear as if riddled by shot.

TREES.

Nothing within our power to control adds more to the attractiveness of our city than its shade trees. It would be easy to demonstrate that from the financial standpoint alone; money invested rightly in the planting and care of trees will add more to the value of real estate than any other improvement. To secure the most satisfactory results requires judgment and some skill in the selection, placing and care of the trees. It is my aim to give some brief suggestions with reference to trees for street planting.

In deciding between the several attractive species available, one should consider local soil conditions, hard-

iness and longevity, shade protection, beauty, cleanliness, and specially relation of natural habit of growth to situation and surroundings, such as neighboring buildings, wires and other trees. The exercise of individual taste in the selection of species for planting the home grounds is desirable, since it insures a pleasing variety and a stamp of individuality which are the essentials to the highest attractiveness of a city of homes.

In selecting for street planting we must agree that uniformity is one of the most important things. While there is a large variety to choose from there are but few equally well suited to use in street rows where uniformity is desired.

The common American or White Elm stands pre-eminent. Nothing else contributes so much to the beauty of our streets as the elms planted and tended by the hands of a generation past.

The maple comes second, although they are inferior to the elm in several respects for street planting, being shorter lived, more liable to insect injury both of stem and leaf, suffer quicker from drouth, and naturally forms a low head which requires severe pruning to train it above the electric wires.

While the elms and maples will continue to predominate in street planting, there is opportunity for pleasing variety by the introduction of other kinds. Where this is contemplated all the property owners should agree in advance upon the kind, the planting should be done at the same time and the subsequent care should be uniform for the best results. In this way an attractive stamp of individuality may be secured for a street, which may appreciably affect property values. In planning such planting the Park Commissioners will be glad to give advice as to the selection of kinds. Lowell has lost numerous trees from leakage of gas into the soil. Citizens

should report suspected danger of this to the Park Commission as well as to the Gas Light Company.

Our great national capital, Washington, is a conspicuous example of how well tree planting can be managed, for there are great avenues with pine oaks, and others with sycamores, and others with tulips, and others with elms, but on no street has there been permitted a heterogeneous mixture.

The veneration of trees, as it was one of the most primitive and instructive emotions of man, is also one of the most enduring. It is true we no longer worship them, as did the ancient Druids when they built their giant altars at Stonehenge; but almost every city and town can boast of its big tree, sacred to some one or to some event.

Even Napoleon preserved a respect for ancient trees if not for men. When he was building the wonderful road over the Simplon Pass, that he might lead his armies into Italy, he commanded his engineers to diverge from the straight line in order not to injure a giant cypress at Somma in Lombardy.

The accumulation of dead wood in street trees from diseases induced by improperly made wounds and the condition of the roots in their cramped surroundings makes it necessary that they should receive constant attention that their condition may be kept as healthy as possible. We have not been able to do as much of this work during the past year as I should have liked to have done on account of the small appropriation, which was only \$500.00

During the past year we have planted on upper Middlesex street several trees to replace those which were killed by gas a year or more ago. I should like to see all our residential streets and avenues planted for the benefit of the traveler and the beautifying of our city.

Trees, because of their beauty, perpetually yield pure pleasure to the people; and this more and more as the people awake to them.

A large number of trees have been removed, partly on account of street improvements, partly because of disease rendering them dangerous. In addition we have performed a vast amount of trimming at the request of numerous property owners, as well as that found necessary to admit light and air into the streets and buildings. I would urge that a much larger sum of money be appropriated for the care of trees this coming year.

IN CONCLUSION.

What is a park? A park is, in the usual sense of the term, a considerable extent of ground laid out and maintained as a public pleasure-ground. The idea of providing pleasure-grounds for the recreation of the people of large cities is one of recent origin, though it is now being carried out with all the Twentieth Century energy. In former times larger tracts of land and forests were set aside, and held solely for the pleasure of the nobility and royalty; the people were looked upon as of too little importance for any public provision to be made for their enjoyment. However, all this is changed throughout Europe. What was formerly crown lands have now been thrown open as public pleasure-grounds.

The park idea is only about 30 years old, though it has been carried out since its inauguration with that activity which forms a distinguishing American characteristic. New York, of course, has the greatest park system, both in the amount of money expended and in natural beauties. They are adding to their holdings in the Bronx and along the Hudson River. Baltimore

spends a million dollars annually on its parks. One-half of this sum is derived each year from the street railway company. The corporation, under the terms of its franchise, pays that much directly into the park fund. The rest is secured by a tax levy.

Think of the progress that has been made along this line of endeavor in the last few years. It was only a half century ago that New York projected the first great pleasure-ground in this country. Who will attempt to measure the value of Central Park, not only to the citizens of New York, but to millions of people throughout the country. A marked change has taken place since that park was completed, for now the great centers of commerce and manufacture have learned that, next to the public schools, there is no disposition of public funds that is of greater benefit to all, not only to the present but to the future generation, than the establishment and maintenance of public parks.

The true purpose of a large public park is to provide for the dwellers in cities convenient opportunity to enjoy beautiful natural scenery and to obtain occasional relief from the nervous strain due to the excessive artificiality of city life.

The usefulness of the park should be measured by the quiet pleasure and restful enjoyment of those who visit rather than by the number of visitors. Thus, if two or three persons visit the park early in the morning and from a seat in a quiet nook listen to the songs of birds in May or June, the supreme enjoyment of such an occasion might count for more than the pleasure a hundred people would get from visiting the park at other times.

Fifteen years ago the park question did not seriously disturb the average city, but now houses are being torn down in thickly settled districts of the larger cities to

provide resting spots for the people. There is no civic movement more prevalent and more universal in America today than the building of parks.

It has been said by some one "That a beautiful country made people patriotic." I believe that to love trees and shrubs, and open fields, birds and flowers, rivers, lakes, and skies, makes a man unselfish. He wishes others to enjoy that which he values so highly. It makes him have at heart the true welfare of his country, the happiness and contentment of its citizens. He looks forward, perhaps for generations, to the time when some of the trees he has planted will reach maturity. He wishes the land to remain fertile and the climate suitable for the welfare of his friends—the trees, shrubs, and flowers. He does not like to see the forests disappear, the rivers dry up, and the vegetation suffer from drought.

If people could see and appreciate the beautiful things about them the world would grow better looking, because they would seek to have these things around their homes—to make them a part of their homes in fact. They would try to secure the broad lawns or meadows, the water view, the distant skies, and those landscapes which they might not have room for at their city homes, by establishing generous parks.

While we are often grieved by the destruction of trees, shrubs and scenes that have gladdened our hearts, there is ground for encouragement in the fact that every year more parks are established, and every year more people seek the country to get its scenery, its pure air, its strength, and its vitality.

With the rapid expansion of material welfare and the phenomenal results of new inventions our ways of living have greatly changed. Cities are growing much more rapidly than the country districts, and a large number of well-to-do and those in comfortable circumstances

are finding their homes in the outlying parts of the city or in easily accessible suburban sections. In the city's throng there are thousands who cannot get near to nature. At the gateway of the country the angel of necessity stands with the drawn sword of want, forbidding the hard-working, bread-seeking crowd to enter. It is the park that lays itself at the very feet of the tired and offers its comfort to the bodies and souls that are weary with toil. It gives the pure, healthy smell of the fields to lungs stifled by the foul air of the tenements and the unsanitary condition of the crowded street. No angel stands with forbidden sword, waving away the tired and weary multitudes; no wall of wealth girdles this domain of nature where the kingdom of God opens itself in the park. No mother need stand outside the fence, thinking bitter thoughts as she looks through the chinks and sees some other mother's baby luxuriating in a private garden. Her baby, too, can roll on the grass and gather strength from Mother Earth. The wealth of millions serves her baby. Shame on the man who complains of park taxation. What is money against childhood and the comfort of motherhood? No barefoot, tattered boy need stand on the hot pavement and see other boys, no better than he is, playing where he dare not because he is poor. The park is his playground, and his bat and ball are as dignified as the costliest plaything in the rich child's nursery.

There is a broad morality and a broad spirituality in a place that offers healthful recreation and rest and a playground to all, regardless of station, estate or condition.

The three prerequisites to health, civic beauty and normal civic life are space, pure air, and sunlight. With these insured, architectural beauty, street adornments of fountains, statues, trees and flowers may easily follow.

Without these prerequisites, provided by wise legislature and maintained by constant vigilance, all minor beauties of decoration are overshadowed or imperiled or destroyed.

Let us learn to love and appreciate the beauty which we see around us every day. There are beautiful things everywhere. Some of us see them; some do not. It all depends upon our education.

A beautiful flower may grow by the wayside. One person may pass it by and not even see it, or he may trample it under foot and call it an ugly weed; another may see the same flower, and as he looks upon it, marvel at its beauty and recognize the handiwork of God. One of these persons has no love for the beautiful in his soul and the other has; that is the only difference.

Some people will tell you that it is not practical to care for beautiful things; but it really is practical, because it helps to make life sweeter and better. You will find it well worth cultivating, this love for the beautiful, and when you once have it in your hearts, you will never be willing to part with it.

I wish to thank the board as a body and the members individually for all the kindness, good-will and confidence shown me, all of which to merit has been and shall be my endeavor.

I also wish to thank the employees of the department for the efficient service rendered, making it possible to accomplish all that has been done.

Respectfully submitted,

CHARLES A. WHITTET,

General Superintendent.

Personal Property

SCHEDULE OF PERSONAL PROPERTY BELONGING TO THE PARK DECEMBER 31, 1907.

2 Concord wagons	\$250.00
2 Democrat wagons.....	125.00
1 Old comfort sleigh.....	70.00
4 Single dump carts.....	350.00
1 Two-horse jigger.....	200.00
1 Two-horse dump cart.....	175.00
1 Square wagon.....	50.00
1 Tool wagon	75.00
1 Spraying machine and fixtures.....	500.00
3 Snow plows.....	75.00
8 Spreaders and whiffle-trees.....	10.00
2 Two-horse sleds.....	200.00
1 One-horse sled.....	65.00
1 Single pung.....	15.00
1 Set of double harness (old).....	15.00
1 Single harness (old).....	5.00
2 Team bells.....	.50
6 Halters & straps.....	9.00
12 Stable & street blankets.....	52.50
7 Team collars.....	28.00
1 Set of double harness.....	60.00
1 Single driving harness.....	35.00
3 Single express harness.....	120.00
1 Pair matched bay horses.....	500.00
3 Single work horses.....	250.00
1 Driving horse.....	250.00
4 Curry combs.....	1.60
3 Sponges	3.00
3 Body brushes.....	4.50
1 Chamois skin.....	1.00
1 Rubber apron.....	1.50
1 Pair rubber boots.....	4.00
2 Hitch ropes.....	1.00
2 Whips	2.00
1300 lbs. rye straw.....	10.00

27 Bushels oats.....	17.25
1 Reversible plow.....	7.00
1 Ten-gallon faucet tank.....	2.50
2 Pair French pruning shears.....	2.35
1 Bench vise.....	7.25
1 Pair wooden set screws.....	2.00
1 Nail puller.....	.75
1 Lot of bolts & rivets.....	.75
1 Seat pattern.....	1.00
3 Watering pots.....	1.50
1 Lot of hose.....	20.00
1 Catch basin dipper.....	.75
2 Horse lawn mowers.....	140.00
1 Steel hand cart.....	14.00
1 Syracuse wheelbarrow.....	23.00
1 Stuart earth grader.....	75.00
1 Long handle steel pointed shovel.....	.85
1 Brass reducer.....	1.00
1 Tooth harrow.....	6.50
1 Police helmet.....	2.50
6 Police badges.....	6.25
1 Water meter.....	9.25
1 Vise screw.....	1.23
1 Bench hook.....	.65
Ladders.. ..	154.00
1 Automatic step ladder.....	3.50
Athletic apparatus on N. & S. Common.....	446.60
6 Step ladders.....	10.00
16 hot bed sash.....	20.00
12 Lawn mowers.....	108.00
1 Grind stone.....	5.00
13 Signs "Park".....	13.00
18 Draw hoes.....	9.00
6 Mortar hoes	3.00
28 Steel garden rakes.....	14.00
30 Iron bars for roping.....	15.00
11 crow bars.....	8.25
7 Post hole spoons.....	7.00
1 Post hole digger.....	1.75
8 Square pointed shovels.....	6.40
4 Horse lawn boots.....	8.00
2 Paving rammers.....	4.00

2 Iron trench rammers.....	2.00
9 Edging knives.....	4.50
12 Bass push brooms.....	6.50
10 Pick & axe mattocks.....	10.00
7 Spading forks.....	4.90
18 Clay picks.....	15.30
1 Wood chopper's mall.....	1.40
1 5½ ft. sawing machine.....	17.00
1 Lot of rope.	20.00
6 Log chains.....	32.00
1 Sand screen.....	6.00
5 Steel tray wheelbarrows.....	20.00
4 Feed baskets.....	5.60
1 Two-horse roller.....	20.00
1 Iron hand roller.....	6.50
1 Stone hand roller.....	10.00
1 Extension seat.....	1.00
1 Montana buffalo robe.....	12.00
21 Square pointed shovels.....	21.00
59 Round pointed shovels.....	59.00
16 Manure forks.....	16.00
21 long handle steel snow shovels.....	8.00
2 Sidewalk cleaners.....	.80
300 Vitrified brick.....	10.00
1 Lot cement pipe.....	5.00
1 Wagon jack.....	2.00
2 Ton hay.....	48.00
1 60-Gallon oil tank.....	4.00
10 Gallons kerosene oil.....	1.20
2 Park fountains.....	375.00
3 Drinking Fountains.....	120.00
1 Lot of lumber.....	25.00
4 Frost wedges.....	2.75
3 Cant dogs.....	3.75
3 American flags.....	75.00
1 Lot of burlap.....	25.00
1 Doz. hatchets.....	6.60
1 Little giant pruner & saw.....	1.50
½ Doz. balls of twine.....	.90
1 Set of stock & dyes.....	9.00
4 Stillson wrenches.....	5.60
2 ½ Bushel baskets.....	1.00

1 2-Bushel basket.....	1.00
5 Swing castings.....	1.25
2 Swing boards & rope.....	10.00
1 Galv. iron pail.....	1.00
20 lbs. of wire staples.....	1.00
1 $\frac{3}{4}$ Boxes 6x8 glass.....	4.25
1 Spicket.. ..	.35
9 Pairs lineman's spurs & straps.....	34.65
1 Doz. cutter handles.. ..	1.20
9 Nail hammers.....	3.75
1 Doz. moth brushes.....	8.00
1 Doz. P. & C. tubes.....	2.40
$\frac{1}{2}$ Doz. hatchet handles.....	.45
16 Hammer handles.....	.85
10 Axe handles.....	7.50
12 Bush hooks.....	9.00
3 Monkey wrenches.....	3.75
6 $\frac{1}{2}$ waste barrels.....	3.50
10 Tin dippers.....	1.00
1 Doz. pruner springs.....	2.00
3 Boxes machine screws.....	.75
3 Pairs of grass shears.....	1.00
7 Small brass oil cans.....	2.00
5 Drinking dippers.....	1.00
4 Scythe stones.....	.40
1 Bit brace.....	1.25
2 Squares... ..	2.00
2 Trowels	1.00
2 Weed cutters.....	.80
1 Bar Castile soap.....	.75
1 Pair Rubber gloves.....	2.50
7 Grass hooks.....	3.50
4 Augers	3.50
16 Pick handles.....	4.00
21 Sledge handles.....	3.50
1 Doz. axe handles.....	2.50
21 Signs "Keep off the Grass".....	10.50
1 Drilling spoon.....	.25
40 Drills.. ..	15.00
1 Pruning saw & chisel poled.....	1.00
3 Stone hammers.....	2.50
1 Hand drilling hammer.....	.75

1 Paving hammer.....	2.00
1 Wood saw & buck.....	1.50
18 Wooden lawn rakes.....	6.00
7 Dutch hoes.....	2.75
2 Stone picking forks.....	1.50
1 Corn broom.....	.50
6 Cross cut saws.....	13.50
1 One man saw.....	2.50
1 Lot of chisels, bits, etc.....	5.00
1 Qt. Harrison's carriage paint.....	.75
1 Park urinal.....	229.00
1 Gas fixture for S. Common.....	3.00
1 Mitre box & Saw.....	9.00
1 Hand bucket pump.....	4.00
10 Hay forks.....	5.50
1 Lawn & leaf hand cart.....	15.00
280 Park seats.....	1 312.00
4 Tool boxes.....	15.00
100 Feet of brass chain.....	5.00
1 Branding iron "Park".....	1.00
1 Stump lifter.....	39.00
1 Spanish windlass.....	15.00
1 Set of steel blocks.....	15.00
1 Set of grade stakes.....	5.00
1 Stove.. ..	10.00
1 Lawn vase.....	25.00
1 Terra Cotta lawn vase.....	15.00
1 Steel drag scraper.....	8.00
3 Grain boxes.....	25.00
3 Garden wheelbarrows.....	10.50
1 Lot of iron pipe.....	25.00
1 Lot of flower bed guards.....	41.00
3 Bags sheep manure.....	5.25
6 Sod lifters.....	15.00
1 Ice pick.....	3.25
9 Lanterns	6.75
25 Gallons creosote.....	4.50
2 Border shears.....	4.00
8 Saw handles	2.80
2 Garden reels & line.....	2.25
100 Ft. deep sea line.....	4.00
1 Doz. bush scythes.....	8.50

18 Hand saws.....	10.80
1 Doz. snaths.....	10.00
2 Pairs lopping shears.....	1.70
100 Water's tree pruners.....	67.00
36 Telegraph pruners.....	36.00
50 Poles for pruners.....	30.00
12 Boxes of braided line.....	30.00
1 Gal. No. 66 paint.....	1.60
1 Blasting battery.....	21.25
3 Coils of leading wire.....	7.15
1 Pipe cutter.....	1.35
6 Gas globes.....	.90

	\$8,012.53

OFFICE FURNITURE.

1 Table..	45.00
10 Chairs	20.00
1 Art square.....	45.00
1 Roll top desk.....	45.00
1 Desk chair.....	2.50
1 Wardrobe	20.00
1 Clock	5.00
2 Brass cuspadores..	5.00
1 Waste basket.....	1.00
1 Typewriter & cabinet.....	108.50
2 Electric Desk lamps.....	15.00
1 Book case.....	100.00
1 Flat top desk.....	12.00
1 Atlas of the City of Lowell.....	25.00
2 Seal grain albums.....	5.00
5 Pictures and frames.....	18.00
Negatives and prints.....	53.75
Copper half-tones..	240.00
1 Pair of field glasses.....	23.00

	\$788.75
	8,012.53

	\$8,801.28

When the Commissioners took charge of the department the personal property was \$3,321.85.

SIXTY-THIRD ANNUAL REPORT
OF THE
LOWELL CITY LIBRARY

EIGHTEENTH REPORT
OF THE
LIBRARY TRUSTEES

OF THE CITY OF LOWELL
MASSACHUSETTS



FOR THE YEAR NINETEEN HUNDRED SEVEN

ADMINISTRATION OF THE LIBRARY, 1907

Board of Trustees

HON. FREDERICK W. FARNHAM, Mayor, <i>Ex-officio</i>			
HON. GEORGE F. RICHARDSON	.	.	Term expires 1909
THOMAS WALSH	.	.	" " 1910
D. A. SULLIVAN	.	.	" " 1911
ROWENA PALMER	.	.	" " 1912
FRANK P. PUTNAM	.	.	" " 1913

Organization

HON. FREDERICK W. FARNHAM, Chairman
HON. GEORGE F. RICHARDSON, Vice-Chairman
FREDERICK A. CHASE, Clerk

Librarian	Assist. Librarian
FREDERICK A. CHASE	HARRIET F. HILL

Assistants

ALICE M. MYERS	ALICE H. KIDDER	HARRIET M. SULLIVAN
RACHEL FLINT	ARTHUR LAMOUREAUX	CLEOMENES TRUDEAU

Bindery

WALTER H. GILMAN HARRY C. BOWEN

Superintendent of Reading Rooms

STEPHEN T. WYMAN

Librarian of Children's Room

BERTHA G. KYLE

Report of the Trustees for 1907

To the Honorable, the City Council of Lowell:

GENTLEMEN: The Trustees of the City Library herewith present their annual report for the year 1907.

FINANCIAL STATEMENT

RECEIPTS

Balance from previous year	\$ 10.43
Appropriation by City Council	12,500.00
Interest on Deposit	81.04
Fines and other receipts	350.43
	<hr/>
	\$12,941.90

EXPENDITURES

Salaries	\$ 8,614.99
Lighting	1,691.03
Binding	619.36
Books	353.29
Periodicals	769.45
Sundries—Printing	\$141.50
Supplies	336.95
Postage and Postals	107.51
Water Tax	13.50
Express, &c.	39.43
P. O. Box	8.00
Furnishings and Repairs	47.56
Library Art Club	6.00
Interest paid	13.54
Miscellaneous	112.56
Cash on hand	67.23
	<hr/>
	\$12,941.90

THE APPROPRIATION

It has always been the policy of the library to live within its income. It will be seen by the above statement that we have managed to do this even with an appropriation of only \$12,500 but we have been able to do it only by exercising the most rigid economy, by postponing to make improvements which have long been needed and will soon become imperative. We have been obliged to refrain from replacing books which have become unfit for circulation and have charged to the Davis Fund the entire expense of the Sunday opening of the Library and the expense of the attendant of the Children's Room.

The appropriation from the City barely provides for the expense of the Library outside of these last mentioned items and makes no provision for books. We are, therefore, devoting a large part of the income from the Davis Fund to the purchase of such books as we consider suitable to be bought from money which was given as we believe with the improvement of the library as its prime object. To purchase with it ephemeral fiction and the ordinary book of the hour, would in our opinion, be a misuse of a trust. We are willing to use the fund in any way that shall improve the library and its collections to give the people the benefit of an increased or broader service but decline to use it merely for the purposes which were formerly met by civic appropriations.

We have not, therefore, for the past two years purchased any fiction as we believe that books of this class should be furnished from city money and not from money left in trust as a memorial.

In most libraries the number of both young and old who are in search of entertaining fiction considerably exceeds the readers of all other classes of books together. In the case of our own library about 70% of our readers prefer fiction and in consequence of our failure to supply them with the new fiction there has naturally been a falling off in the use of the library.

LIBRARY TRUSTEES' REPORT OF 1907

JOHN DAVIS FUND — INCOME FOR 1907

Cash on hand at last Report	\$3,449.11
Dividends and Interest received	4,259.75
Proceeds of sale of Real Estate	1,127.20
Savings Bank Accounts closed	9,618.60
	<hr/>
	\$18,454.66

Bonds Purchased—\$10,000 B. & M. 4s and interest \$10,021.11

TRANSFERRED TO LIBRARY FUND

Expenses of Children's Room	\$ 546.00	
Expenses of Sunday Opening	631.06	
Books purchased for the Library	2,620.55	
Furnishings	100.00	
Auditing	10.00	
E. C. Tarbell, for portraits of Mr. and Mrs. Davis	2,000.00	\$5,907.61
Sinking Fund		100.00
Cash on hand, January 1, 1908		2,425.94
		<hr/>
		\$18,454.66

CIRCULATION

The total circulation of books for the year was 113,035, a decrease from last year of 4507. This decrease is accounted for partly by the fact that the Standard Library has attracted many readers who might otherwise have taken books from the main library, but chiefly because of the failure of the library to provide new fiction for its patrons. In spite of the fact that new fiction has not been purchased for the past two years the percentage of the circulation of books in other classes has not been materially increased.

REFERENCE USE

A library's usefulness cannot be measured entirely by the size of its circulation. The increased use of the Reference Department is an important factor in determining the most satisfactory results. The public has unrestricted use of the books in the Reference Room and the Standard Library and of the periodicals in the upper and lower Reading Rooms. No attempt is made to keep a record of this use but it undoubtedly has been large and its character would indicate a more educational use of the library.

ACCESSIONS OR ADDITIONS

The number of volumes in the library has been increased during the year by 1520 volumes. The total number of volumes now in the library is 73,023.

The usual statistical information and a full list of donors will be found on the latter pages of this report. The most notable gift to the library of the past year was that of bound volumes of the Citizen and Courier from the files of the Courier-Citizen Co.

EXHIBITS

The exhibits of the year have included the following, chiefly furnished by the Library Art Club:

New Brunswick, Rome, Scotland, Representative Art, Japan, Yellowstone Park, Naples, Rise of Sculpture.

CHILDREN'S ROOM

The Children's Room under the supervision of Miss Kyle continues to be one of the most useful departments of the library. There are 2047 volumes in this department. During the year there have been circulated from this department 17,207 volumes, as against 15,678 for 1906. These figures do not include the very large use of the room for recreation and entertainment.

SUNDAY OPENING

With the exception of the months of July and August the library was open on Sundays for Reference use only, from 1 to 9 p. m., with an average attendance of 140 with 281 the largest attendance on a single day.

STAFF

The library has lost two members of its Staff during the year. Miss Beard, after serving the library faithfully since March, 1885, was obliged to retire on account of ill health. Miss Nickerson resigned in July and Miss Myers and Miss Kidder and Miss Sullivan were promoted and Miss Flint was added to the Staff.

PUBLICITY

A monthly or quarterly bulletin is much needed that our readers may know what books are being added to the library. None have been published since April, 1903.

OTHER NEEDS

It will be necessary for the city at some time to adopt some method by which all citizens may have an equal opportunity to use the library. Much may be accomplished in this direction by the establishment of Delivery Stations or Branches. Branch Reading Rooms that would serve also as Delivery Stations would be most desirable.

CONDITION OF THE LIBRARY

Volumes purchased during the year	1,255
Volumes added by gift	86
Volumes added by binding periodicals	269
Worn-out books replaced	61
Duplicates purchased	29
Total number of volumes added	1,520
Total number of volumes in the Library	73,023
Volumes lost and not paid for	24
Estimated value of the same	\$23.10
Periodicals and papers subscribed for	193
Periodicals and papers given	37
Number of volumes used, home and reference	113,035
Number of volumes consulted in the Reference Room.....	8,057
Number of postcards sent to delinquents during the year	4,065
Applicants received during the year	1,570
Applicants who did not call for cards	65
Names registered during the year	1,505
Number of names registered Dec. 31, 1906	31,440
Total registered to date, Dec. 31, 1907	32,945
Library open, days	302
Total circulation	113,035
Average daily circulation	374
Largest monthly circulation (January)	11,938
Smallest monthly circulation (August)	6,660
Largest daily circulation (March 2)	827
Smallest daily circulation (August 20)	124
Percentage of fiction read.	71.2
Percentage of other classes	28.8

CONTENTS OF THE LIBRARY, CLASSIFIED

CLASS OF BOOKS	No. VOLS.
General Works	1,673
United States Government Publications	4,217
Magazines	9,995
Philosophy	1,216
Theology	3,882
Sociology	3,691
Philology	430
Science	2,846
Useful Arts	2,466
Fine Arts	3,051
General Literature	7,774
Biography	5,964
Genealogy and Heraldry	401
History, Description and Travel	11,216
Fiction	13,157
Standard Library	1,044
Total	73,023

LIST OF NEWSPAPERS AND PERIODICALS CURRENTLY
RECEIVED

ABBREVIATIONS: D—DAILY; M—MONTHLY; Q—QUARTERLY;
W—WEEKLY

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|--|---|
| American Academy of Political and Social Science. Annals | Book Prices Current, American. Annual |
| American Architect, International Ed, w. | Boston Advertiser, D. |
| American Catholic Quarterly Review | Boston Commercial Bulletin, w. |
| American Cultivator, w. | Boston Globe, D. |
| American Engineer and Railroad Journal, w. | Boston Herald, D. |
| American Homes and Gardens, M. | Boston Journal of Commerce, w. |
| American Journal of Psychology, Q. | Boston Journal, D. |
| American Journal of Science, M. | Boston Medical and Surgical Journal, w. |
| American Machinist, w. | Boston Pilot, w. |
| American Magazine, M. | Boston Post, D. |
| American Monthly. | Boston Record, D. |
| American Naturalist, M. | Boston Transcript, D. |
| American Primary Teacher, M. | Boston Traveller, D. |
| American Printer, M. | Cabinet Maker, M. |
| Annual Literary Index | Carpentry and Building, M. |
| Arena, M. | Catholic World, M. |
| Army and Navy Journal, w. | Century Magazine, M. |
| Art de la Mode, M. | Chambers's Journal, M. |
| Art Journal, M. | Charities, w. |
| Athena | Chautauquan, M. |
| Athenaeum, w. | Chemical News, w. |
| Atlantic Monthly | Christian Endeavor World, w. |
| Bankers' Magazine, M. | Christian Register, w. |
| Benziger's Magazine, M. | Christian Science Journal (Gift), M. |
| Birds and Nature, M. | Churchman, w. |
| Blackwood's M. | Collier's Weekly |
| Bookman, M. | Congregationalist, w. |
| Bookman, English Ed., M. | Contemporary Review, M. |

- Current Literature, M.
 Craftsman, M.
 Courrier des Etats-Unis, W.
 Country Life in America, M.
 Cosmopolitan Magazine, M.
 Dyer and Calico Printer, M.
 Dial, SEMI-M.
 Educational Review, M.
 Edinburgh Review, Q.
 Eclectic Magazine, M.
 Electrical Review, W.
 Electrical World, W.
 Engineering and Mining Journal, W.
 Engineering News, W.
 Engineering Record, W.
 Everybody's Magazine, M.
 Fall River News, D.
 Fibre and Fabric, W.
 Forest and Stream, W.
 Fortnightly Review, M.
 Forum, M.
 Graphic, W.
 Harper's Bazar, W.
 Harper's Magazine, M.
 Harper's Weekly
 Horseless Age, W.
 House Beautiful, M.
 House and Garden, M.
 Illustrated London News, W.
 Independent, W.
 Industrial Review and Textile Reporter, M.
 Inland Printer, M.
 International Journal of Ethics, Q.
 International Studio, M.
 Inter-Ocean, W.
 Johns Hopkins University Studies, M.
 Journal of Education, W.
 Journal of Franklin Institute, M.
 Journal of the Knights of Labor, M.
 Journal of the Outdoor Life, M.
 Journal of the Society of Chemical Industry, M.
 Journal of the Society of Dyers and Colorists, M.
 Judge, W.
 Kindergarten Magazine, M.
 Knowledge, M.
 Ladies' Home Journal, M.
 Lawrence Eagle, D.
 Leslie's Weekly
 Lewiston Weekly Journal
 Library Index, M.
 Library Journal, M.
 Life, W.
 Lippincott's Magazine, M.
 Literary Digest and Public Opinion, W.
 Little Folks, M.
 Living Age, W.
 Living Church, W.
 London Lancet, M.
 London Truth, W.
 London Times, W.
 Lowell Courier-Citizen, D.
 Lowell Sun, D.
 Lowell Sunday Telegram
 Lowell Daily Mail
 McClure's Magazine, M.
 Magazine of Art, M.
 Maine Sportsman, M.
 Manchester Union, D.
 Manufacturer's Record, W.
 Masters in Art, M.
 Metal Worker, W.
 Mind, Q.
 Montpelier Argus, W.
 Munsey's Magazine, M.
 Musical Courier, W.
 Nation, W.
 National Builder, M.
 Nature, W.
 New Bedford Evening Standard
 N. E. Historical and Genealogical Register, Q.
 New England Homestead, M.

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|---------------------------------|--|
| New England Magazine, M. | Revue des Deux Mondes, SEMI-M. |
| New York Clipper, W. | St. Nicholas, M. |
| New York Herald, D. | San Francisco Chronicle, W. |
| New York Sun, D. | Science, W. |
| New York Tribune, D. | Scientific American, W. |
| New York World, TRI-W. | Scientific Am. Supplement, W. |
| Nineteenth Century, M. | Scrap Book, M. |
| North American Review, SEMI-M. | Scribner's Magazine, M. |
| Notes and Queries, W. | Society for Psychological Research, M. |
| Our Dumb Animals, M. | Spectator, W. |
| Outing, M. | Sports of the Times, W. |
| Outlook, W. | Springfield Republican, D. |
| Philosophical Review, M. | Statesman's Year Book |
| Photo-Era, M. | Success, M. |
| Poet Lore, Q. | Teacher's Institute, M. |
| Popular Astronomy, M. | Technical World, M. |
| Popular Mechanics, M. | Textile Colorist, M. |
| Popular Science Monthly, M. | Textile Manufacturer, M. |
| Printing Art, M. | Textile World Record, M. |
| Providence Journal, D. | Toronto Globe, W. |
| Public Libraries, M. | Vogue, W. |
| Publisher's Circular, W. | Westminster Review, M. |
| Publisher's Weekly | Wilson's Photographic Mag- |
| Puck, W. | azine, M. |
| Punch, W. | Woman's Journal, W. |
| Putnam's Monthly and the Critic | World's Work, M. |
| Quarterly Review | Writer, M. |
| Queen, W. | Youth's Companion, W. |
| Recreation, M. | Zion's Herald, W. |
| Review of Reviews, M. | |

LIST OF DONORS, 1907

	VOLUMES	PAMPHLETS
Adams, Charles Francis		1
American-Irish Historical Society	1	
American Unitarian Society	1	
Atlas Portland Cement Co.	2	
Bacon, Horace S.	1	
Bartlett, J. Adams	1	
Bolton, Charles E.	1	
Boston, City of	2	
Brock, Mrs. Greenleaf C.	9	
Burrage, Hamilton	28	
Chase, F. N.		2
Coudert, Frederick R.	1	
Dartmouth College	1	
Draper, Co., Hopedale, Mass.	1	
G. A. R., Post 185, Lowell, Mass.	3	
Garland, C. C.	1	
Grand Lodge of Pa., F. & A.M., Phila.	1	
Greene, Rev. J. M.	1	
Harvard University	1	
Heywood, W. S. & Abbie B.	3	
Hildreth, J. L.	1	
Howe, M. Ida	82	
Hutchinson, C. C.	1	80
Ledyard, Lewis Cass	1	
Lombard, Louis	1	
Macfarland, Chas. S.	1	
Marsh, G. E.	26	
Marshall, W. I.	1	
Massachusetts, State of	30	
Merrill, Dr. S. A.	1	
Metz, Harman A.	1	
Minneapolis, City of—Park Commis.	1	
National Fire Proofing Co., N. Y.	1	
N. Y., University of the State of	6	
Ottawa, City of	1	
Parker, Dr. Moses G.	2	
Pilgrim Commandery, K. T.	1	
Rogers, H. B.	2	

LIBRARY TRUSTEES' REPORT OF 1907

	VOLUMES	PAMPHLETS
Rowland, Marvin Frederic	1	
Royal Society of Canada	1	
Southwick, Jeanie Lea	1	
Unitarian Temperance Society	1	
United States		
Navy Department	1	
Superintendent of Documents	147	508
Department of Interior		
Topographic maps	56	
Topographic atlas folios	7	
Usher, Edward P.	1	
Varnum, John Bradley		2
Ward, Wm. James	1	
Watertown Public Library		1
Wisconsin Historical Society	1	
Parker, Hildreth	2 autographs	

AUDITOR'S REPORT ON THE JOHN DAVIS FUND

LOWELL, MASS., December 14, 1907

To the Trustees of the City Library

Lowell, Mass.

Complying with your request I have examined the Securities comprising the John Davis Fund, together with the accounts relative thereto, from December 1, 1906 to December 9, 1907, and would submit the following report.

The fund is at present comprised of the securities as listed below, all of which I found in the Custody of the City Treasurer, he having exhibited them for my verification.

Savings Bank Books

NAME OF BANK	NO. OF ACCOUNT	PRESENT VALUE
City Institution	4522	\$1060.00
City Institution	72189	563.09
Merrimack River	6223	1045.39
Central	35073	206.12
		<hr/>
		\$2874.60

Registered Bonds

NAME	DUE	RATE OF INT.	PAR VALUE
City of Boston	1919	3.5%	\$10000.00
Boston & Maine R. R.	1944	4.5%	11000.00
Boston & Maine R. R.	1926	4. %	10000.00
Boston & Albany R. R.	1952	3.5%	4000.00
N. Y., N. H. & H. R. R.	1954	4. %	10000.00
N. Y., N. H. & H. R. R.	1914	4. %	10000.00
Illinois Central R. R.	1952	3.5%	10000.00
			<hr/>
			\$65000.00

LIBRARY TRUSTEES' REPORT OF 1907

Stocks

NO. OF SHARES	NAME	PRESENT VALUE	
		RATE	AMOUNT
50	Merrimack Mfg. Co.	48	2400.00
3	Lowell Bleachery	110	330.00
12	Middlesex Company	50 $\frac{1}{4}$	603.00
49	Bigelow Carpet Company	98	4702.00
8	Nat. Bank of Republic, Boston	163	1304.00
6	Nat. Bank of Commerce, Boston	145	870.00
9	Appleton Nat. Bank, Lowell	103	927.00
3	Old Lowell Nat. Bank, Lowell	101	303.00
11	Prescott Nat. Bank, Lowell	107	1177.00
2	Wamesit Nat. Bank, Lowell	100	200.00
11	Union Nat. Bank, Lowell	165	1815.00
10	First Nat. Bank, West Newton	140	1400.00
41	B. & M. R. R. (Common)	136 $\frac{5}{8}$	5601.62
39	Boston & Albany R. R.	185	6855.00
1	Nashua & Lowell R. R.	225	225.00
3	Lowell Gas Light Co.	238 $\frac{1}{4}$	714.75
1	Concord & Montreal R. R.	168	168.00
8	American Tel. & Tel. Co.	103 $\frac{1}{2}$	828.00
6	Hudson River Telephone Co.	85	510.00
			<hr/>
			\$30933.37

Three Mortgage Notes \$ 2950.00

Summary

Savings Bank Books	\$ 2874.60
Bonds	65000.00
Stocks	30933.37
Mortgage Notes	2950.00
Balance to credit of City Treasurer in Prescott National Bank	4356.80
Balance to credit of F. A. Chase, Agent, in Old Lowell National Bank	168.59
Silver and Jewelry—as appraised	90.15
<hr/>	
\$106373.51	

I have examined the accounts of the Librarian, and find that for all securities sold or realized on, since my last audit of December 1, 1906, proper entries have been made, for the receipts; that all income received from the Fund has been properly credited, and that for all disbursements, the records show a vote of the Trustees authorizing the same, or proper vouchers in their place.

Respectfully submitted,

FRANKLIN E. JOHNSON, *Auditor*

ANNOUNCEMENTS

Library and Reading Rooms open from 9 a. m. to 9 p. m.,
except on legal holidays.

Reading Rooms open Sundays, 9 a. m. to 9 p. m.

Library open on Sundays for reference use only, 1 to 9 p. m.

The regular meeting of the Trustees of the Library is held on
the first Monday evening of each month, at 7.30 o'clock.

ANNUAL REPORT
OF THE
CITY SOLICITOR
FOR THE YEAR ENDING
1907-1908.



LOWELL, MASS.
UNION PRINTING CO., 77 MIDDLE ST.
1908.

REPORT.

OFFICE OF CITY SOLICITOR,
Lowell, Mass., February 29, 1908.

Gentlemen of the City Council :

In compliance with the City Ordinances, I submit the following report of the Law Department for the year ending February 29, 1908.

LITIGATION.

1279. *Andrew C. Wheelock, et al v. City of Lowell, et al.*
(Equity).

Entered in Supreme Judicial Court, August, 1906.

This was a bill in equity by eleven taxable inhabitants of the City of Lowell praying for an injunction against said city and its treasurer, to restrain the payment of money for the erection of a public hall to take the place of Huntington Hall. The case was heard before Mr. Justice Loring, October 26, 1906. After hearing arguments of counsel it was decided to have the case reported for the consideration of

the Full Court. Arguments were made before the full court, and on July 25, 1907, a rescript was filed directing "Bill dismissed".

243. *F. Leo Frappier, by Charles Frappier v. John Buchanan (Police Officer).*

This is an action of tort brought by the plaintiff in the Police Court of Lowell to recover the sum of \$25. as damages for loss of dog alleged to have been shot without right by the defendant. The writ is dated the twentieth day of July, 1907, and entered in Court the fourth Saturday of July, 1907. The plaintiff obtained judgment in the Police Court on October Second, 1907, for \$10. and costs taxed at \$9.48, from which the defendant appealed to the Superior Court. Pending.

1201. *Mayor and Aldermen v. Boston and Maine Railroad, et al. (Abolition of Grade Crossings.)*

1265. *Same (Plain Street and Boston Road.)*

1266. *Same (School Street and Walker Street.)*

1267. *Same (Lincoln Street.)*

During the past year Messrs. Arthur Lord, David F. Slade and Henry A. Wyman were appointed Commissioners. Hearings and conferences have been held in Lowell and Boston. Plans and estimates have been submitted by Mr. George Bowers, City Engineer, and Mr. Bertrand T. Wheeler, Engineer of New York, New Haven and Hartford Railroad. Considerable progress has been made in the hearings and it is expected that they will be finished this Spring. Pending.

12703. Thomas F. Garvey v. City of Lowell.

This is an action of contract brought by the plaintiff to recover money alleged to be due him for services as foreman in the Board of Health Department. The writ is dated July 17, 1907, and returnable to the Superior Court, the first Monday of August 1907. Trial was had at the October sitting of the Superior Court 1907. By direction of the presiding Justice the jury returned a verdict for plaintiff for \$293, and he reported the case to the Supreme Judicial Court for its consideration of the questions of law involved. Pending.

8911. Charles Cowley v. City of Lowell.

This case is explained on page 13 of my 1905-1906 Report, and on page 9 of my 1906-1907 report. Many subsequent hearings have been held and the defendant's case is nearly finished. The Plaintiff died this month. Pending.

13067. Emily O'Neil v. Thomas A. Maloney and Thomas B. Riley. (Police Officers.)

This is an action of tort brought by the plaintiff to recover the sum of \$5,000 for alleged assault and false imprisonment on or about July 31, 1907. The writ is dated the fourteenth day of September 1907, and returnable to the Superior Court the first Monday of October 1907. Pending.

1620. *Shaw Stocking Company v. City of Lowell (Equity)*
In Superior Court May 3, 1907.

This is a Bill in Equity by the Shaw Stocking Company praying that a writ of injunction may issue against Respondents to enjoin and restrain it from breaking the connection between the Respondent's water mains and the complainant's fire system, and from shutting off the water from the pipes entering the complainant's premises or from in any way interfering with the flow of water from respondent's water main into pipes upon the complainant's premises. The case was tried in the Superior Court May 6, 1907, before Mr. Justice King, and on July 12, 1907, the Court directed the following entry to be made. "Final Decree,—Bill Dismissed." On July 23, 1907, the petitioner filed an appeal to the Supreme Judicial Court, which appeal is now pending.

525. *Attorney General, ex rel v. Hugh C. McOsker.*

526. *Attorney General, ex rel v. Frank K. Stearns.*

These are two informations in the nature of Quo Warranto to try the title of respondent McOsker to the office of member of the Board of Registrars of Voters of the City of Lowell, and that of respondent Stearns to the office of a member of the Board of Police of the City of Lowell. Hearing was had in the Supreme Judicial Court before Mr. Justice Morton, February 18, 1908, who, with consent of the parties, reserved the two causes, upon the informations, answers, and agreed statements of facts, for the consideration of the full court. Pending.

City of Lowell v. Charles M. Young & Co.

This was an action of contract brought to recover the sum of \$1222. The writ was dated May 27, 1907, and returnable to the Superior Court the first Monday of July 1907. The defendants Charles M. Young and Frank E. Stowell paid the above named sum together with costs and the action was dismissed.

13664. Will T. S. Bartlett v. City of Lowell.

This is an action of tort brought by the plaintiff to recover the sum of \$20,000, as damages for the taking of gravel from a certain lot of land located on Mammoth Road, and refusal of defendant to complete an alleged contract. The writ is dated January first, 1908, and returnable to the Superior Court the first Monday of February 1908. Pending.

11175. Gertrude Sheldon, et al v. City of Lowell.

This was an action to recover back a sum paid by the plaintiffs as an assessment for watering certain streets, on which plaintiffs' property abutted. The writ was dated Aug. 29, 1906, and returnable to the Superior Court the first Monday of October, 1906.

Trial was had in the Superior Court May 29, 1907, before Mr. Justice Crosby, and on August 7, 1907, the Court directed the following entry to be made: "Court finds for the defendant."

13325. *Harrison Dunham v. City of Lowell.*

This is an appeal from refusal of Assessors to abate a tax assessed against the complainant. The writ is dated December 4, 1907, and returnable to the Superior Court the first Monday of January 1908. The case was heard in the Superior Court before Mr. Justice Bond, February 14, 1908, and decision of the Court is awaited. Pending.

13420. *Joseph Jennings v. Frederick W. Farnham, Mayor.*

13419. *John W. McEvoy v. Frederick W. Farnham, Mayor.*

Entered in Superior Court December 12, 1907. These were petitions to the Superior Court brought under Section 4 of Chapter 100 of the Revised Laws, for a review of the charges of the evidence submitted thereunder, and the findings thereon by the Mayor of Lowell, in a proceeding in which the petitioners were removed from office by said Mayor, as members of the Board of Police.

A hearing was had before Mr. Justice Fox of the Superior Court and on February 14, 1908, he affirmed the orders of the Mayor removing said petitioners from office.

In the following pending cases no changes have been made since my last report.

3032. *Bragg Manufacturing Co. (U. S. Ct.) v. City of Lowell.*

274. *Peter Curran v. City of Lowell.*

869. *Bernard Delaney, et al v. City of Lowell.*

922. *James Smith, et al v. City of Lowell.*

1151. *Patrick O'Hearn v. City of Lowell.*

LEGISLATION.

Bill relative to the prohibiting pollution of the Merrimack River.

Upon February 28, 1907, I appeared before the Committee of the Massachusetts legislature on public health remonstrating against this bill. The bill was not enacted.

Bill to place heads of municipal departments under civil service.

Upon March 13, 1907, I appeared before the committee on public service in opposition to said bill. This bill was not enacted.

Bill relative to taxation of merchandise and stock in trade in mercantile corporations.

Upon March 19, 1907, I appeared before the committee on taxation in opposition to this bill. The bill was not enacted.

Petition of Mayor Farnham to legislature, to limit expenditures of the Lowell School Committee.

Upon April 16, 1907, at the request of the Mayor I appeared before the house committee on rules to advocate the admission of this petition. Admission was refused.

Bill to authorize the City of Lowell to rent portions of the South Common upon Fourth of July.

On May 31st, 1907, I appeared before the committee on cities favoring the enactment of this measure. The bill became a law.

Bill for election by the people of the superintendent of streets, inspector of buildings and city engineer.

On February 5, 1908, I appeared before the committee on cities in opposition to this bill. The committee reported adversely.

Bill to authorize the City of Lowell to take land for a site for a public hall.

Upon February 5, 1908, I appeared before the committee on cities in favor of this bill. The committee reported the same and it is now a law.

Petition of Mayor Farnham to make the term of Inspector of Milk, in Lowell, three years.

By direction of the Mayor I appeared before the committee on cities in favor of this legislation. The committee reported adversely.

Petition to authorize the county treasurer to pay to the City of Cambridge such an amount annually as said city would receive if the county building located in said city were taxable by said city.

On February 5, 1908, I appeared before the committee on counties in opposition to this measure. The committee reported leave to withdraw.

Petition to authorize the Park Commissioners to expend money for park purposes upon land leased to the city.

At the request of the Park Commissioners I prepared a petition and bill for the above purpose which was favorably reported upon by the committee on cities and has now become a law.

LIST OF OPINIONS SINCE FEBRUARY 28, 1907.

-
- March 11. Councilman Jeremiah F. Connors.
Relating to maintenance, and legislation
on Edson Cemetery.
-
- March 12. Frank M. Dowling, Clerk of Committees.
Relating to bill of Butterfield Printing Co.
for printing annual report of School
Committee.
-
- March 26. John B. Crowley, Sergeant, Board of Police.
In relation to granting of licenses to sell
intoxicating liquors in annexed portion of
Tewksbury.
-
- March 27. Hon. Frederick W. Farnham, Mayor.
As to the City's control over the Davis
Fund of the City Library.

- May 6. William H. Wilson, Chairman, Board of Cemetery Trustees.

Relating to the sale of lots in the Edson Cemetery.

- May 6. William H. Wilson, Chairman, Board of Cemetery Trustees.

Relating to the care of burial lots by individuals or their servants, and the obligation of the city to furnish water free of charge.

- May 11. John J. Flaherty, Clerk of Board of Police.
In relation to the granting of Liquor Licenses.
-

- June 5. Charles A. Whittet, Supt. of Parks.

Relating to the authority of the Board of Park Commissioners to spend money for park purposes on tract of land on Anne Street on the Easterly side of the Canal.

- July 25. George Bowers, City Engineer.
Relating to the extension of Middle Street
from Shattuck to Dutton street.
-
- Sept. 5. John B. Crowley, Sergeant, Board of Police.
As to "Whether a man letting hacks to
carry passengers to funerals, must be
licensed and bonded, said funerals conduct-
ed by other undertakers."
-
- Oct. 19. Frank M. Dowling, Clerk of Committees.
Upon the validity of the veto of His Honor,
the Mayor, of the drinking fountain order
presented for approval on August 23rd.
-
- Dec. 9. Frank M. Dowling, Clerk of Committees.
Relative to the discontinuance of that
portion of Crosby street lying east of the
easterly line of Newhall street.
-
- Dec. 26. Hon. Frederick W. Farnham, Mayor.
As to the rights of the city in the so-called
Huntington Hall site.

- Dec. 28. Major Charles S. Proctor, Sec'y Huntington Hall Commission.

As to the right of the City to take land for a site for the New Hall.

- Dec. 28. Frank M. Dowling, Clerk of Committees.

As to authority of Salary Committee to make recommendations as to: Pay of the Police, Pay of Firemen, and Compensation of the Superintendent of Water-works.

1908.

- Jan. 1. James E. Donnelly, Chief of Dept. of Supplies.

As to the right of Charles H. Hanson, Member of Board of Police, to enter into contracts with City of Lowell for the sale of articles.

- Jan. 21. Frederick A. Chase, Clerk of Trustees of Public Library.

Relative to the New York State transfer tax on the John Davis Estate,

Feb. 10. John J. Flaherty, Jr., Clerk of Board of Police.

As to the jurisdiction of the Board over the granting of permits for lunch carts.

Respectfully submitted,

J. GILBERT HILL,

City Solicitor.

LIST OF JURORS

FOR THE

CITY OF LOWELL

FOR THE YEAR 1908



PRINTED BY C. I. HOOD CO., LOWELL, MASS.

LIST OF JURORS

A

ABBOTT, JAMES M.....	24	Fairmount st.	broker
ABBOTT, JOHN W.	12	Fremont st.....	tinsmith
ABELL, ORRIN W.	8	Osgood st.....	foreman
ABELS, ALEXANDER M.	43	Nicollet st	merchant
ABELS, SAMSON... ..	43	Nicollet st	merchant
ACHIN, HENRY Jr.....	384	Fletcher st	insurance agent
ADAMS, ASBURY F.....	36	Third st..	meat market
ADAMS, CECIL L.....	50	Chelmsford st	insurance agent
ADAMS, CHARLES E.....	305	Summer st.	merchant
ADAMS, EDWARD E.....	84	Middlesex st.	music teacher
ADAMS, JOHN M.	509	School st.....	painter
ADAMS, WALTER S.....	13	Read st.	machines
AHEARN, THOMAS J.....	441	High st.....	real estate dealer
AHLBERG, CHARLES A.....	61	Lundberg st..	machinist
ALEXANDER, J. WALTER....	774	Moody st.....	life insurance agent
ALEXANDER, LOUIS	261	Gibson st.	tailor
ALLARD, ALBERT..	39	Fourth Ave.....	oiler—L. W. W.
ALLARD, JOSEPH J.....	114	Ennell st.	storekeeper
ALLARD, SIMON	67	Varney st.....	shoecutter
ALLEN, CHARLES O.....	49	Twelfth st.....	receiving teller
ALLSHAW, THOMAS H.....	124	Genoa ave..	overseer
AMADON, FRED C.....	53	Washington st.....	clerk
ANDERSON, JOHN A.....	137	Stackpole st.....	overseer
ANDREWS, JOHN A.....	246	Concord st.....	leatherworker
ANDREWS, J. MUNN.....	452	East Merrimack st.....	Bookkeeper

A

ANGELO, JAMES J.....	51	Pond st.....	steam & gas fitter
APPLETON, FRANCIS E.....	59	Pine st.....	paymaster
ARNOLD, WILLIAM A.....	401	Beacon st.....	bookkeeper
ARTHUR, JAMES B.....	31	Myrtle st.....	grocer
ASHTON, JOHN T.....	60	Orleans st.....	secondhand
ASHWORTH, GEORGE L.....	110	Westford st.....	clerk
ASQUITH, SAM	44	Barrington st.	bookkeeper
ATHERTON, CHARLES S.....	17	Wilson st.....	clerk
ATKINSON, T. ERNEST.....	33	May st.....	foreman
ATWOOD, WALTER E.	rear 81	Varney st.	nickleplater
ATWOOD, WILLIAM P.....	17	Nineteenth st.....	chemist
AUSTIN, FRED A.....	86	Branch st.....	shoemaker
AUSTIN, JOHN G.....	86	Branch st.....	foreman
AVEYARD, CHARLES.....	48	Marlborough st.....	superintendent

B

BAGSHAW, CHARLES H.	8	Washington st.	manufacturer
BAILEY, HARRY L.	47	Methuen st.	salesman
BAKER, HERBERT R.	24	W. Third st.	janitor
BAKER, J. AVISON.....	103	South Loring st.	music teacher
BAKER, WILLIAM H.	108	Marshall road	lamplighter
BALDWIN, EDWIN K.	92	Holyrood ave.	paymaster
BALDWIN, JOHN D. S.	534	Merrimack st.	ironmoulder
BANCROFT, JOHN J. Jr.	14	Alder st.	cashier
BARCLAY, OSCAR R.	162	Smith st.	agent
BARLOW, ERSON B.	35	Smith st.	insurance agent
BARNARD, VIRGIL G.	68	Harvard st.	treasurer
BARNES, HENRY W.	30	Huntington st.	tailor
BARON, CHARLES C.	88	Eleventh st.	public accountant
BARR, WILLIAM A.	50	Burtst st.	paymaster
BARRETT, ANDREW E.	77	Mt. Vernon st.	grocer
BARRETT, EDWARD J.	94	School st.	grocer

B

BARRY, EUSEBE	4	Knapp's Block	conductor
BARRY, LOUIS	539	Moody st.	operative
BARRY, PATRICK H.	294	Wentworth ave.	liquor dealer
BARTLETT, HAYWARD M.	2	West Eleventh st.	hotel clerk
BARTLETT, HERBERT J.	255	Stackpole st.	janitor
BARTLETT, JOSEPH O.	37	Hastings st.	operative
BARTLETT, WALTER E.	523	Fletcher st.	merchant
BARTON, CYRUS.....	78	South Walker st. ..	general contractor
BASSETT, CYRUS R.	90	Andrews st.	clerk
BATCHELDER, WILLIAM H. ...	887	Andover st.	farmer
BATEMAN, JOHN F.	39	Robbins st.	surveyor
BEALS, HORACE P.	84	Marlborough st.	lumber business
BEAN, SYLVESTER	120	Methuen st.	storekeeper
BEANE, THOMAS J.	104	Pleasant st.	life insurance
BEAULIEU, JOHN H.	202	Hildreth st.	storekeeper
BEAUREGARD, OLIVER J.	22	Wiggin st.	Grocer
BELANGER, CHARLES A.	261	Aiken ave.	printer
BELANGER, CLOVIS	779	Merrimack st. ..	newspaper publisher
BELL, FRANK A.	56	Methuen st.	machinist
BELLEFONTAINE, MILLER	130	Riverside st.	furniture dealer
BENNETT, GEORGE A.	51	Marshall st.	foreman
BERGERON, ALBERT	479	Moody st.	master baker
BERNARD, ERNEST A.	476	Moody st.	barber
BERNIER, JOSEPH	65	Salem st.	laborer
BERTRAND, ARTHUR M.	22	Middle st.	merchant tailor
BIBEAULT, ALFRED	2-88	Ford st.	grocer
BIGGS, JOHN	576	School st.	carpenter
BILLINGSBY, FRED	178	Concord st.	liquor dealer
BIRON, GEORGE W.	72	West Third st.	loomfixer
BISHOP, HERBERT L.	28	May st.	paymaster
BISSELL, WILLIAM E. K.	47	Methuen st.	clerk

B

BISSONNETTE, FRANK H.56	Third ave.clerk
BISSONNETTE, JOSEPH M. ....109	Ennell st. ....meat cutter
BISSONNETTE, ZEPHYRIN J. ..60	Third ave. ....telegrapher
BIXBY, ALBERT J. ....80	D st. ....machinist
BIXBY, NEWTON .....61	Bartlett st. ....slasher
BLACK, WILLIAM P. ....47	Whipple st. ....janitor
BLACKBURN. JOHN .....71	London st. ....plumber
BLODGETT, EMERY F. ....585	Chelmsford st. ....bookkeeper
BLOOD, CYRUS F. ....222	High st. Everett pl. ....clerk
BOISVERT, CHARLES H. ....94	Lilley ave. ....laborer
BOISVERT, JACQUES .....363	Hildreth st. ....builder
BOIVIN, JOSEPH C. ....259	White st. ....printer
BOLDUC, EUGENE .....198	Cumberland road ....travelling agent
BONIN, HONORE .....382	Bridge st. ....barber
BORJES, EMIL J. ....30	West Sixth st. ....musician
BOSWORTH, GEORGE A. ....256	School st. ....gardener
BOUCHER, THOMAS E. ....65	Hampshire st. ....clerk
BOUDREAU, HENRI .....746	Lakeview ave. ....clothing store
BOUDREAU, JOHN B. ....24	Crawford st. ....grocer
BOULAIS, ARTHUR N. ....8	Dracut st. ....grocer's clerk
BOURDON, MICHAEL .....94	Ford st. ....carpenter
BOURRET, CHARLES C. ....32	Campaw st. ....master plumber
BOWEN, FRANK A. ....43	Gates st. ....superintendent
BOWEN, JAMES .....16	Jewett st. ....laborer
BOWERS, DUNCAN V. ....rear 445	Lawrence st. ....grocery store
BOX, JOHN W. ....7	Lyon st. ....belt maker
BOYLE, JAMES H. ....110	Congress st. ....conductor
BOYLE, JOHN A. ....807	Pawtucket st. ....grocer
BOYLE, JOHN L. ....rear 110	Congress st. ....machinist
BOYLE, THOMAS H. ....292	Central st. ....liquor dealer
BOYNTON, D. RAYMOND .....180	Pawtucket st. ....grocer

B

BRADLEY, ALBERT	rear 1019	Central st.	pool room
BRADLEY, RAYMOND D.	62	Rock st.	teamster
BRADT, DAVID H.	125	Mt. Vernon st.	prop. bakery
BRADT, GERRITT J.	523	Fletcher st.	prop. bakery
BRADY, PETER J.	16	So. Highland st.	merchant
BRASSILL, DENNIS.	58	Walnut st.	operative
BRAY, RICHARD	12	Pollard st.	master mechanic
BRAZER, RALPH F.	46	Fairmount st.	merchant
BREEN, JOHN P.	9	Lyon st.	loomfixer
BREEN, PHILIP J.	9	Lyon st.	janitor
BRENNAN, JOHN J.	196	Concord st.	clerk
BRENNAN, OWEN E.	20	Crowley st.	hardware dealer
BRIEN, JAMES A.	124	Westford st.	furniture dealer
BRIGHAM, EDWARD W.	75	Fort Hill ave.	insurance clerk
BRINE, JOHN J.	204	Pleasant st.	printer
BRISSETTE, RUPERT N.	379	Chelmsford st.	clerk
BROCK, GREENLIEF C.	118	First st.	druggist
BROOKS, HENRY O.	17	Nicollet st.	civil engineer
BROTHERS, GEORGE W.	62	Royal st.	treasurer gas co.
BROWN, CHARLES W.	35	Oakland st.	asst. paymaster
BROWN, FRANK K.	321	High st.	retired wool merchant
BROWN, FRED S.	287	Stevens st.	clerk
BROWN, MALCOLM D.	79	Plain st.	manufacturer
BROWN, MILON D.	295	Central st.	cigar dealer
BRUCE, CLINTON L.	41	Bowers st.	
		manufacturer, plasters & medicine	
BRUCE, JOSEPH W.	19	Osgood st. ..	real estate & auctioneer
BRYAN, THOMAS	24	Concord st.	laborer
BRYANT, FRED A.	62	Pine st.	musician
BUCKLEY, GEORGE	190	High st.	gas fitter
BUCKLEY, JOHN	305	Summer st.	bookkeeper

B

BUCKLEY, JOHN T.118	Bartlett st.painter
BULL, CHARLES H. ....27	West Fifth st. ....carpenter
BURBANK, JOHN E. ....29	Anne st. ....merchant
BURBECK, WILLIAM J. ....32	Sheldon st. ....milkman
BURGESS, EDWIN ....120	Billerica st. ....plumber
BURKE, EDWARD H. ....112	Lewis st. ....machinist
BURKE, EDWARD N. ....216	Nesmith st. ....retired
BURKE, MICHAEL ....205	Lakeview ave. ....fireman
BURKE, WILLIAM P. ....30	Abbott st. ....photographer
BURKINSHAW, JOSEPH ....18	Bellevue st. ....druggist
BURNS, CHARLES H. ....69	Fourth st. ....barber
BURNS, EDWARD ....154	Concord st. ....wool sorter
BURNS, GEORGE E. ....61	Eighteenth st. ....clerk
BURNS, JAMES F. Jr. ....427	Lakeview ave. ....machinist
BURNS, JOHN ....407	High st. ....overseer
BURNS, JOHN J. ....607	Westford st. ....dry goods merchant
BURRILL, JOHN F. ....612	Beacon st. ....clerk
BUTCHER, ROBERT J. ....365	Wilder st. ....retired
BUTLER, FRANK E. ....400	Westford st. ....pattern maker
BUTTERFIELD, ARTHUR D. ....84	Forrest st. ....foreman
BYAM, OTIS ....79	Canton st. ....milk dealer
BYRNE, PATRICK J. ....571	East Merrimack st. ....coachman

C

CADORET, WILFRED905	Lakeview ave.furniture store
CADORETTE, JOSEPH ....619	Lakeview ave. ....mason
CADY, GEORGE L. Jr. ....150	Mt. Vernon st. ....box maker
CADY, HARRY F. ....577	School st. ....real estate
CAHILL, MICHAEL J. ....389	High st. ....horseshoer
CALLAHAN, GEORGE T. ....27	Beech st. ....advertiser
CALLAHAN, PHILIP H. ....82	Beacon st. ....painter

C

CAMPBELL, GEORGE	129	Third st.	grocer clerk
CARLSON, JOHN T.	43	Crescent st.	carriagemaker
CARMICHAEL, JOHN	19	Bleachery st.	carpenter
CARPENTER, HENRY	27	Ellis ct.	shipping clerk
CARPENTER, W. IRVING	28	South Whipple st.	fish dealer
CARPENTIER, HENRY,	67	West Meadow road	shoecutter
CARRIER, JOSEPH	2	Dracut st.	life insurance agent
CARRIGG, JOHN J.	18	Second st.	electrician
CARROLL, DANIEL F.	118	South Highland st. ..	master plumber
CASEY, JAMES B.	87	Summer st.	manufacturer
CASHIN, CHARLES E.	156	Wilder st.	general manager
CASSIDY, JOHN J.	263	Thorndike st.	machinist
CASSILY, EDWARD C.	118	Bartlett st.	shaver
CASWELL, JOHN A.	52	Hanks st.	optician
CAVANAUGH, SIMON A.	98	Andover st.	real estate
CAWLEY, EDWARD	85	Rogers st.	coal dealer
CAWLEY, WILLIAM F.	85	Rogers st.	clerk
CHADWICK, ALFRED M.	87	Fort Hill ave.	assistant agent
CHADWICK, CHARLES H.	1354	Gorham st.	salesman
CHAMBERS, JOHN H.	942	Central st.	teamster
CHANDLER, JOHN A.	310	Westford st.	watchman
CHARLTON, RICHARD	538	Westford st.	clerk
CHARRON, SYLVA	11	Carlton st.	cook
CHATFIELD, FRANK B.	334	Stevens st.	bookkeeper
CHASE, ERNEST D.	19	Lincoln st.	artist
CHASE, FRANK K.	130	Mt. Hope st.	clerk
CHASE, FRED A.	19	Nesmith st.	librarian
CHASE, HOWARD E.	237	Foster st.	machinist
CHASE, WALTER I.	353	Walker st.	clerk
CHENEY, EDWARDS	679	School st.	private secretary
CHENEY, FRANK P.	1099	Middlesex st.	box manufacturer

C

CHEVALIER, EDWARD	539	Moody st.	grocer
CHICKEN, CHARLES F.	84	Cambridge st.	clerk
CHILDS, EDWARD L.	82	Warwick st.	overseer
CHOATE, ALBERT H.	509	Beacon st.	drug clerk
CHOQUETTE, JOSEPH	772	Moody st.	clothing clerk
CHOUINARD, ZENON	290	West Sixth st.	clerk
CLARK, A. ERNEST	51	Hampstead st.	photographer
CLARK, JAMES	1-62	Congress st.	stone cutter
CLARK, JOHN H.	118	Bartlett st.	janitor
CLARK, MARION S.	203	Gibson st.	clerk
CLARK, T. FRANK	103	Pleasant st.	clerk
CLAY, HENRY	31	Race st.	boxmaker
CLEARY, DANIEL	47	Swift st.	master plasterer
CLEE, WILLIAM	8	Wachusett st.	weaver
CLIFFORD, CHARLES T.	99	Westford st.	dentist
CLIFFORD, EVERETT A.	20	Lane st.	clerk
CLOUGH, CHARLES H.	52	Birch st.	foreman
CLUER, ARTHUR H.	3	Wachusett st.	harness maker
CLUIN, JOHN J.	130	Fort Hill ave. ..	jeweller and optician
CLUNE, PETER A.	67	Kirk st.	cigar drummer
COBURN, CLARENCE G.	215	Mammoth road,	retired
COBURN, FREDERICK W.	187	Nesmith st.	merchant
COBURN, GEORGE B.	81	Parkview ave.	real estate
COBURN, HARRY W.	145	Beacon st.	dentist
COBURN, LAURENS W.	48	Varney st.	clerk
COBURN, WALTER S.	45	Talbot st.	manufacturer
COGGER, JOHN H.	80	White st.	printer
COGGER, WILLIAM	82	Parkview ave.	advertising
COGGESHALL, FRED H.	38	Nichols st.	clerk
COGNAC, EMERY	4	Butterfield st.	clerk
COLE, JOHN J.	33	North st.	printer

C

COLE, JOHN W.	27	Durant st.	restaurant
COLE, WILLIAM F.	176	Pleasant st.	printer
COLEMAN, JOSEPH H.	65	Fulton st.	painter
COLLINS, CORNELIUS A.	124	Dummer st.	painter
COLLINS, CORNELIUS E.	394	High st.	real estate and insurance
COLLINS, JOHN	10	Simpson place	clerk
COLLINS, PATRICK H.	118	Aiken ave.	moulder
COMMERFORD, EDWARD J.	16	Wiggin st.	bartender
CONANT, ARTHUR J.	237	East Merrimack st.	grocer
CONANT, CHARLES H. Jr.	74	Huntington st.	bank clerk
CONANT, FREDERICK	253	Gibson st.	lumber clerk
CONATON, PETER F.	43	Marlborough st.	plumber
CONDON, JOHN H.	96	Midland st.	janitor
CONLAN, JAMES J.	89	Bartlett st.	roll coverer
CONLEY, JOHN F.	29	Chestnut st.	plumber
CONLEY, LEANDER F.	69	Tolman ave.	overseer
CONNERS, EDWARD F.	163	Plain st.	contractor
CONNERS, PHILIP P.	459	Chelmsford st.	contractor
CONNOLLY, MICHAEL H.	86	School st.	insurance agent
CONNORS, CHARLES A.	23	Dodge st.	liquor dealer
CONROY, ROBERT F.	476	Merrimack st.	manager
COOKE, CHARLES E.	182	Smith st.	elevator operator
COON, ORVILLE E.	405	Westford st.	watchmaker
COONEY, DENNIS J.	25	Auburn st.	liquor dealer
CORBETT, JOHN H.	14	Burns st.	provision dealer
CORCORAN, JOSEPH F.	40	Fort Hill ave.	printer
CORLISS, AMMI L.	9	Methuen st.	sexton
CORWIN, HARRY J.	25	Huntington st.	advertising manager
COSTELLO, THOMAS F.	293	Nesmith st.	plumber
COTE, LOUIS	98	Aiken ave.	storekeeper
COTTON, ARTHUR W.	1	Barton ave.	machinist

C

COUGHLIN, JEREMIAH	359	Concord st.	gardener
COUZOULES, GEORGE	509	Merrimack st.	vice-consul and steamship agent
COX, PATRICK J.	150	Charles st.	carpet weaver
COX, TERRENCE J.	239	Stackpole st.	barber
COX, WILLIAM H.	55	Rea st.	painter
CRAIG, JOSEPH	4-4	Runels place ..	foreman switch tower
CRANE, EUGENE F.	425	Central st.	real estate
CREVIER, CHARLES	86	Mt. Washington st.	blacksmith
CROFT, WILLIAM	380	Woburn st.	insurance supt.
CROSBY, FREDERICK H.	111	Moore st.	plasterer
CROSS, WINFIELD	33	Seventh st.	janitor
CROWLEY, DENNIS J.	112	Walker st.	clerk.
CROWLEY, PATRICK H.	226	Fletcher st.	laborer
CROWLEY, ROBERT E.	115	Fort Hill ave.	real estate
CROWLEY, WILLIAM L.	453	Riverside st.	clerk
CRYAN, THOMAS E.	10	Bachelor place,	conductor
CRYSLER, H. STANLEY	258	Gibson st.	manager
CUDWORTH, JAMES A.	1012	Lakeview ave.	Clerk
CUFF, JOHN H.	18	Agawam st.	ambulance driver
CUFF, THOMAS F.	18	Agawam st.	dentist
CULL, JOHN H.	84	Chapel st.	printer
CURRY, JAMES	105	Tremont st.	steam fitter
CURTIN, JOHN J.	126	Chapel st.	city laborer
CURTIN, RICHARD J.	514	East Merrimack st.	barber
CUSTY, PATRICK J.	96	Mt. Washington st.	merchant
CUTLER, JOHN S.	840	Varnum ave.	barber
CUTTING, LAWRENCE F.	78	Methuen st.	clerk

D

DAIGLE, HENRI	17	Endicott st.	operative
DAIGNEAULT, OSCAR J.	196	Appleton st.	barber
DAILEY, JOHN	159	Chapel st.	teamster

D

DAINTON, WILLIAM A.	158	Avon st.	life insurance agent
DALEY, PETER	203	Broadway	laborer
DALEY, WILLIAM	29	Cedar st.	barber
DALTON, JOHN J.	54	Willow st.	clerk
DALY, FRANK W. S.	102	Jenness st.	clerk
DALY, JEREMIAH	211	Fletcher st.	laborer
DALY, JOHN J.	19	North st.	operative
DALY, JOHN W.	76	Andrews st.	clerk
DALY, WILLIAM F.	48	Mead st.	insurance agent
DAMON, WILLIAM W.	433	Dutton st.	machinist
DANAHY, FRANK J.	33	State st.	plasterer
DANAHY, JOHN J.	22	Crowley st.	tinsmith
DANAHY, WILLIAM H.	347	Market st.	laborer
DANE, GEORGE F.	53	Oakland st. ..	foreman B. & M. R. R.
DANIELS, JOHN S.	558	Chelmsford st.	retired
DANA, HARRY C.	365	Worthen st.	machinist
DAVEY, PETER	83	Bartlett st.	undertaker
DAVID, ALBERT W.	234	Gibson st.	clerk
DAVIDSON, WILLIAM T.	187	Mammoth road	granite cutter
DAVIS, NATT A.	80	Howard st.	caretaker
DAWSON, JOSEPH F.	126	Bowers st.	liquor dealer
DAWSON, JAMES	84	South Whipple st.	paperhanger
DEAN, CHARLES E.	49	Cambridge st.	pinmaker
DEAN, SIMON	1240	Gorham st.	butcher
DELMAGE, WILLIAM A.	21	Third st.	janitor
DEMERS, DELPHIS	114	Aiken ave.	laborer
DENNIS, EDWARD P.	50	Chelmsford st.	retired
DENT, ARTHUR G.	815	Merrimack st.	coachman
DERBY, FRANK H.	223	Pine st.	electrical engineer
DERBY, LUCIUS A.	148	First st.	electrician
DESLANDES, AMBROSE	65	Branch st.	barber

D

DESMARAIS, PHILIP	56	Claire st.	electrician
DESROSIERS, JOSEPH A.....	210	Hildreth st.	clerk
DEVINE, PATRICK F.	67	Parkview ave.	manufacturer
DEVLIN, JAMES P.	43	Willow st.	printer.
DEWAR, DAVID W.	364	Beacon st.	real estate agent
DEXTRA, JOSEPH	534	Merrimack st.	barber
DICKERMAN, WILLIAM O.	74	Bellevue st.	clerk
DICKEY, THOMAS L.....	66	Porter Terrace	insurance
DICKSON, DAVID	142	Smith st.	tea merchant
DICKSON, WILLIAM	39	Roper st.	insurance agent
DILLON, JOHN F.	125	Andrews st.	teamster
DILLON, DAVID	67	Gage st.	machinist
DILWORTH, DENNIS	44	Merrill st.	overseer
DION, GEORGE	185	Ludlam st.	storekeeper
DOBSON, FRANK W.	148	Andover st.	clerk
DOHERTY, HENRY P.	94	Bridge st.	master painter
DONAHUE, CORNELIUS F.	62	Chambers st.	clerk
DONNELLY, JAMES E.	36	Floyd st.	blacksmith
DONNELLY, JOHN F.	7	Newhall st.	grocer
DONNELLY, JOHN P.	36	Floyd st.	blacksmith
DONOHUE, JAMES H.	656	Gorham st.	bartender
DONOHUE, ANDREW	49	Keene st.	liquor dealer
DONOHUE, MICHAEL J.	3	Brooks st.	salesman
DORR, WALTER H.	271	Liberty st.	manager
DOUGLASS, EDMUND W.	23	Bertram st.	contractor
DOUGLASS, HARRY P.	37	Hurd st.	overseer
DOW, FRED H.	56	Connell st.	foreman
DOWNS, EARL C.	14	Porter st.	electrician
DOZOIS, HILAIRE	179	School st.	machinist
DOZOIS, VICTOR E.	179	School st.	clerk
DREWETT, FRANK	215	Moore st.	clerk

D

DREWETT, SIDNEY	139	Hildreth st.	sexton
DRINAN, GEORGE	17	Burt st.	machinist
DRISCOLL, PATRICK H.	180	Baldwin st.	school janitor
DRURY, HARRY S.	44	Hanks st.	plumber
DUBUQUE, GEORGE H.	22	East Pine st.	clerk
DUCKWORTH, THOMAS	15	Mt. Vernon st.	salesman
DUFF, JOHN J.	19	Burns st.	wine clerk
DUMAS, ERNEST G.	55	Huntington st.	
			manufacturing stationer
DUNFEY, JAMES T.	63	Sixth ave.	auditor's clerk
DUNFEY, JOHN M.	109	Mammoth road,	carpenter
DUNKHAM, ABRAHAM L.	218	Thorndike st.	overseer
DUNKLEE, HARRY W. F.	103	School st.	draughtsman
DUNN, JAMES J.	930	Gorham st.	stone cutter
DURANT, CHARLES W.	157	Fort Hill ave. ..	jeweller and engraver
DURSTOFF, CHARLES C.	102	South Whipple st.	overseer

E

EAGAN, MICHAEL E.	113	Pleasant st.	
			stationary fire engineer
EAMES, MELVIN	32	West Sixth st.	secondhand
EASTMAN, HENRY F.	327	Rogers st.	mechanical engineer
EATON, CHARLES W.	108	Myrtle st.	banker & broker
EDWARDS, CLARENCE E.	36	Leverett st.	manufacturer
ELLINGWOOD, EDWARD	56	Huntington st.	druggist
ELLIOTT, ROBERT H.	25	Fairview st.	real estate
EMERSON, FRED B.	29	Burt st.	theatrical manager
EMMOTT, WALTER H.	106	Westford st.	manager
EMSLEY, GEORGE	20	Weed st.	combmaker
ENGLAND, THOMAS	42	Warnock st.	tinsmith
ENRIGHT, CORNELIUS F.	295	Thorndike st.	master painter
ENRIGHT, GEORGE W.	40	Robert st.	liquor dealer

E

ERSKINE, CHARLES M.138 Mt. Vernon st.real estate
 ESTABROOK, HOWARD M.65 Tolman ave.meat cutter
 ESTES, FRED A.35 Burt st.salesman
 EVANS, FRED A.30 Parkview ave.salesman
 EVANS, FRED F.1354 Gorham st.carpet weaver
 EVANS, FREDERICK9 Blossom st.marble worker
 EVANS, LEONARD,30 Parkview ave.retired

F

FAGAN, FRANCIS M.18 Newhall st.master barber
 FAGAN, JAMES M.18 Newhall st.clerk
 FAGAN, JOHN H.18 Newhall st.janitor
 FAIRBURN, GEORGE384 High st.provision dealer
 FAIRWEATHER, WILLIAM756 School st.machinist
 FALL, GEORGE F.694 Varnum ave.teamster
 FALLON, FRANK J.11 Little st.machinist
 FARLEY, HARRY P.11 Fay st.clerk
 FARLEY, LAWRENCE J.17 Second ave.gas inspector
 FARRELL, EDWARD F.12 Third ave.plumber
 FARRINGTON, JOHN C.182 Perry st.clerk
 FARRINGTON, WILLIS234 Nesmith st.gentleman
 FAULKNER, FRANCIS E.108 Common st.operative
 FAULKNER, JOHN A.52 Mansur st.manufacturer
 FAVREAU, WILLIAM A.180 Ford st.clerk
 FAY, EDGAR G.122 Branch st.plumber
 FAY, FREDERICK T.371 East Merrimack st.druggist
 FAY, HENRY J.70 Lawrence st.retired
 FAY, PAUL F.99 South Walker st.secondhand
 FECTION, ALEXIS F.740 Merrimack st.bookkeeper
 FEENEY, JOHN W.493 Moody st.merchant

F

FENDERSON, CHARLES H.429	Worthen st.machinist
FENNELL, NICHOLAS J. ....178	West London st. ....barber
FERRIN, GEORGE W. Jr. ....41	Grove st. ....salesman
FIFE, JAMES .....46	Merrill st. ....machinist
FILION, J. ANACLET .....348	Hildreth st. ....storekeeper
FINNERTY, HUGH .....85	Gorham st. ....moulder
FINNERTY, PATRICK J. ....32	Lawrence st. ....iron smelter
FITZGERALD, PATRICK .....169	Broadway .....bartender
FITZGIBBON, PATRICK .....513	Gorham st. ....shoe dealer
FLANAGAN, EDWARD M. ....22	Westford st. ....checker
FLANAGAN, FRANK P. ....22	Westford st. ....steamfitter
FLEMING, JAMES H. ....23-24	Webster st. ....laborer
FLEMING, SAMUEL .....35	Methuen st. ....boot maker
FLEMINGS, FREDERICK J. ....393	High st. ....wholesale paper dealer
FLEMINGS, JAMES F. ....91	Fort Hill ave. ....salesman
FLETCHER, EDWIN L. ....81	Holyrood ave. ....grocer
FLOOD, JAMES H. ....230	High st. ....grocer
FLOOD, TERRENCE E. ....763	Moody st. ....carpet weaver
FLYNN, EDMUND .....28	North st. ....city laborer
FLYNN, EUGENE .....522	Lawrence st. ....bleachery
FLYNN, SIMON .....205	Cross st. ....machinist
FOISEY, JOSEPH A. ....327	Hildreth st. ....baker
FOLSOM, FRED P. ....154	Shaw st. ....clerk
FOLSOM, HENRY W. ....77	Mt. Vernon st. ....overseer
FOSTER, BENJAMIN F. ....17	Waite st. ....secondhand
FOSTER, FRED A.....98	Grove st. ....overseer
FOX, THOMAS H. ....58	Norcross st. ....machinist
FOY, JOHN J. ....23	Burlington ave. ....gas fitter
FOYE, FRANK J. ....469	Pine st. ....meat cutter
FRASER, ALLAN .....13	McKinley ave. ....merchant
FRAWLEY, HENRY J. ....697	Middlesex st. ....teamster

F

FREDERICK, CHARLES B.	69	Fort Hill ave.	tailor
FREEMAN, CHARLES T.	648	Broadway	retired salesman
FRENCH, ALBERT F.	213	Parkview ave.	manufacturer
FRENCH, ARTHUR J.	35	Victoria st.	paper cutter
FROST, CHANNING A.	1677	Middlesex st.	milkman
FRYE, AUSTIN A.	105	Eighteenth st.	druggist
FRYE, GEORGE H.	36	Second st.	brick mason
FULLER, GEORGE B.	1524	Gorham st.	lumber man
FULLER, JOSEPH F.	258	East Merrimack st.	solicitor

G

GAGNON, ARTHUR J.	466	Merrimack st.	dentist
GALE, CHARLES A.	23	Jenness st.	manager
GALLAGHER, CHARLES A.	11	Phebe ave.	conductor
GALLAGHER, CHARLES J.	110	Pleasant st.	druggist
GALLAGHER, EDWARD	22	William st.	hotel
GALLAGHER, JAMES J.	168	Cumberland road	cigar store
GALLAGHER, JOHN J.	58	Third st.	liquor dealer
GALLAGHER, PETER	rear 85	Lakeview ave.	barber
GALLAGHER, THOMAS J.	15	Jewett st.	watchman
GALLAGHER, WILLIAM H.	180	Ennell st.	clerk, City Hall
GARMON, JOSEPH A.	76	Nineteenth st.	foreman
GARVEY, MICHAEL J.	203	Broadway	bartender
GARVEY, THOMAS F.	66	Lilley ave.	cigar maker
GATES, ROYAL W.	75	Gates st.	belting mfg.
GAUDETTE, OCTAVE	731	School st.	wholesale confectioner
GELINAS, VICTOR	15-129	Aiken st.	grocer
GENDREAU, GEORGE	38	Denton st.	leather worker
GENEST, ARTHUR	111	Genoa ave.	contractor
GEROW, DAVID	162	Chelmsford st.	butcher & grocer
GERRY, EDGAR A.	27	Humphrey st.	messenger

G

GIBSON, THOMAS	27	Cady st.	secondhand
GILBERT, FRANZ S.	50	Laurel st.	overseer
GILBRIDE, JOHN J.	9	Prospect st.	insurance agent
GILL, EDMOND J.	768	Merrimack st. ..	state house, Boston
GILLESPIE, JOHN T.	110	Durant st.	clerk
GILLIGAN, JAMES	rear 40	Mead st.	currier
GILLOGLEY, OWEN	27	Walnut st.	machinist
GILLON, HUGH F.	84	Bartlett st.	newspaperman
GILMAN, ALBERT I.	20	East Pine st.	foreman
GILMAN, GEORGE S.	1263	Middlesex st.	machine business
GILMORE, ELBERT J.	94	Vernon st.	superintendent
GINTY, PHILIP	1007	Central st.	master slater
GODDARD, CHARLES R.	30	Marlborough st.	iron merchant
GOLDEN, THOMAS A.	17	Riverside ave.	carpenter
GOLDENBERG, SALEM	119	Grand st.	storekeeper
GOODALL, SAMUEL	417	Dutton st.	watchman
GOOKIN, JAMES	300	Concord st.	furniture business
GOOKIN, MICHAEL F.	485	Andover st.	furniture dealer
GOODWIN, CHESTER S.	880	Gorham st.	shipper
GORDON, GEORGE W.	17	Loring st.	machinist
GORDON, JOHN G.	17	Loring st.	salesman
GORMAN, JAMES E.	412	Gorham st.	shoedealer
GORMLEY, EDWARD F.	31	Washington st.	foreman
GORMLEY, JOSEPH H.	11	Lyon st.	insurance agent
GOULDING, WILLIAM H.	123	Walker st.	retired slater
GRADY, JOHN J.	492	Market st.	laborer.
GRADY, WILLIAM S.	151	Rogers st.	liquor dealer
GRAHAM, CHARLES F.	25	Waugh st.	electrician
GRANDCHAMP, NAPOLEON C. .	12	Arthur ave.	clerk
GRANT, ALFRED T.	34	Willie st.	painter
GRAY, ALANSON	18	Belmont st.	grocer

G

GRAY, ANDREW A.	19	Tolman ave.	commercial traveller
GRAY, ARTHUR L.	71	Dover st.	real estate & insurance
GRAY, FRANK	76	Royal st.	provision dealer
GRAY, HARRY	93	Dover st.	provision dealer
GRAY, JAMES H.	23	Ellsworth st.	lather
GRAY, JOHN J.	236	Plain st.	real estate agent
GRAY, MICHAEL J.	10	Kinsman st.	clerk
GRAY, PETER B.	71	Whipple st.	carpenter
GREATHEAD, SAMUEL A.	519	Broadway	barber supplies
GREEN, ALBERT H.	157	Dartmouth st.	selling agent
GREEN, GEORGE P.	359	Walker st.	plumber
GREEN, LORIN	179	Warwick st.	conductor
GREEN, THOMAS A.	501	Gorham st.	lamplighter
GREENE, HARVEY B.	73	Marlborough st.	florist
GREENE, WILLIAM H.	396	Pine st.	automobile business
GREENWOOD, OTHELLO O.	180	Hale st.	grocer
GREGG, JOHN	112	Jackson st.	overseer
GRIFFIN, JOHN	161	Merrimack Corp.	laborer
GROVER, CHARLES F.	80	Sherman st. ...	division supt. tel co.
GROVER, HERBERT E.	128	Third st.	barber
GUILD, ALBERT S.	26	Arlington st.	banker & broker
GUILD, W. SCOTT	25	Damon st.	foreman Cartridge Co.
GUIMOND, ALBERT F.	823	Moody st.	knitter
GUIMOND, JOSEPH E.	4	Butterfield st.	knitter
GUINEY, WILLIAM	8	Crane ave.	merchant
GUMB, HARRY M.	53	Corbett st.	granite dealer
GUSTAT, ABRAHAM	38	Ware st.	jeweller

H

HAGAN, JAMES J.	142	Church st.	machinist
HAINES, OLIN M.	18	Upham st.	machinist
HALE, MILO W.	25	Third st.	laborer

H

HALL, THALLES P.	149	Stackpole st.	park commissioner
HALLERAN, DANIEL C.	546	East Merrimack st.	janitor
HALLORAN, DAVID H.	167	Pleasant st.	liquor dealer
HALSTEAD, CHARLES W.	47	Methuen st.	elec. lt. station
HAMILTON, AMASA S.	38	Race st.	retired
HAMILTON, THOMAS H.	6	Brown's ct.	winder
HANSBURY, JAMES W.	29	Hastings st.	machinist
HANSON, JAMES S.	584	Westford st.	horse dealer
HAPGOOD, EDGAR	207	High st.	manufacturer
HARD, CHARLES P.	312	Nesmith st.	correspondence clerk
HARDEN, ALBERT K.	11	Read st.	grocer clerk
HARDY, WILLIAM	3	Madison place	engineer
HARMON, ALMON	24	Hildreth st.	clerk
HARMON, ALBERT N.	24	Hildreth st.	storekeeper
HARRIGAN, WILLIAM H.	38	South Walker st.	collector
HARRINGTON, JOHN F.	99	Pleasant st.	secondhand
HARRINGTON, JOHN H.	2	Park st.	newspaper publisher
HARRIS, ARTHUR W.	111	Myrtle st.	none
HARRISON, HARRY	19	B st.	machinist
HART, BOWERS F.	79	Fremont st.	architect
HART, DANIEL J.	52	Colonial ave.	master baker
HARTWELL, CHARLES C.	109	Fourth ave.	clerk
HARVEY, JOSEPH	843	Moody st.	master plumber
HASTINGS, JAMES S.	20	Barclay st.	storekeeper
HAWES, WILLIAM H.	59	Canton st.	broker
HAYES, JEREMIAH J.	66	Walker st.	overseer
HAYNES, FRANK H.	430	Wilder st.	
			wire manufacturer & banker
HAYWARD CHARLES S.	16	Corson st.	secondhand
HEALEY, JOSEPH P.	26	Swift st.	real estate agent

H

HEBERT, SAMUEL P.	23	Adams st.	grocer
HENDRICKS, JOHN T.	296	Tanner st.	fireman
HENNESSY, FRED E.	23	E. Pine st.	conductor
HENNESSY, JOSEPH	46	Common st.	machinist
HENRY, JAMES T.	51	Tenth st.	clerk
HERSEY, FREEMAN S.	147	Forrest st.	machinist
HERSOME, ALBRA W.....	66	Oak st.	stationary engineer
HICKEY, CORNELIUS L.	1012	Central st.	electrical worker
HIGGINS, DANIEL J.	36	Fort Hill ave.	carder
HIGGINS, PATRICK	17	Walnut st.	machinist
HIGGINS, TERRENCE F.	245	Concord st.	machinist
HIGGINS, WESLEY R.	82	Read st.	painter
HILL, JAMES G.	24	Myrtle st.	carriage painter
HILL, MATTHEW G.	87	Stratham st.	shoe sorter
HILLIARD, ASA B.	50	Royal st.	foreman
HINDLE, AMBROSE	72	So. Whipple st.	retired
HOAR, PATRICK J.	169	Concord st.	barber
HOBSON, CHARLES H.	164	Holyrood ave. ..	president & treasurer
HODGSON, WILLIAM H.	33	England st.	upholsterer
HOGAN, DANIEL E.	30	Fort Hill ave.	real estate & ins
HOLDEN, GEORGE B.	363	Walker st.	manufacturer
HOLGATE, BENJAMIN	154	Avon st.	accountant
HOLMES, CHRISTOPHER	66	Huntington st.	merchant
HOOLE, HENRY	66	Bartlett st.	machinist
HORNER, JOHN P.	353	Westford st.	manufacturer
HOSMER, SAMUEL	67	Cambridge st. ...	supt. Lowell ter. co.
HOWE, ALFRED T.....	4	Eighth ave.	crayon manufacturer
HOWE, EDWARD S.	981	Varnum ave.	farmer
HOWE, WALTER H.	315	Summer st.	real estate
HOWE, WILL H.	105	Jenness st.	paymaster
HOWELL, CHARLES H.	575	Pine st.	conductor

H

HOWELL, WAKEFIELD D. ....225	Summer st. ....clerk
HOYLE, ALBERT .....124	Mt. Hope st. ....plumber
HOYT, FRANK .....139	A St. ....shoe manufacturer
HUBBARD, GEORGE L. ....332	Varnum ave. ....real estate agent
HULL, GEORGE S. ....17	Oaklands st. ....chemist
HUMPHRISS, FREDERICK G. ..19	Crowley st. ....watchman
HUNKING, ARTHUR W. ....374	Stevens st. ....mechanical engineer
HUNT, LEONARD D. ....234	Cabot st. ....overseer
HUNT, WILLIAM F. ....125	Stackpole st. ....foreman
HUNTON, LOUIS G. ....263	Appleton st. ....bookkeeper
HYDE, DANIEL .....24	Hampshire st. ....machinist
HYDE, JOHN J. ....10	Merrill st. ....toolmaker
HYDE, MARTIN .....5	Floyd st. ....sashmaker
HYLAN, EDWIN J. ....28	Nesmith st. ....manufacturer
HYLAN, EUGENE S. ....28	Nesmith st. ....manufacturer

I

ILLSLEY, PHILIP H.513	Westford st.confectioner
INGALLS, GEORGE W.....334	Boylston st. ....bookkeeper
INGHAM, FRANK B. ....37	Grace st. ....bookkeeper
IRELAND, WILLARD F. ....775	Broadway machinist
IRWIN, JOHN M. ....83	Pine st. ....confectioner

J

JACOBS, HENRY H.673	Rogers st.pattern maker
JACOBS, HERBERT M. ....176	Westford st. ....carpenter
JALBERT, JOSEPH .....100	Fourth ave. ....contractor
JAMESON, JAMES .....139	Concord st. ....machinist
JAQUES, SILAS H. ....120	Walker st. ....clerk B. & M. R. R.
JEAN, ALBERT E. ....246	Cabot st. ....bank teller
JEFFERS, GEORGE B. ....995	Central st. ....operative
JENNISON, GEORGE H. ....378	East Merrimack st. ....dentist

J

JODOIN, AUGUSTUS J.	28	Campaw st.	operative
JOHNSON, FRANCIS,	494	Lawrence st.	real estate
JOHNSON, FRANKLIN E.	19	Robbins st.	teller
JOHNSON, HENRY J.	328	Suffolk st.	meat clerk
JOHNSON, MICHAEL J.	328	Suffolk st.	organist
JONES, EDWARD J.	351	Walker st.	machinist
JONES, WILLIAM H.	39	Exeter st.	tailor

K

KEABLES, NELSON D.	14	Hoyt ave.	mechanical supt.
KEARNEY, JOHN	312	Market st.	laborer
KEEFE, GEORGE F.	101	Beech st.	stablekeeper
KEEFE, JAMES	453	Lawrence st.	barber
KELLEHER, JOHN J.	169	Pleasant st.	grocer
KELLEY, JOHN A.	58	West Third st.	painter
KELLEY, JOHN F.	11	Burnside st.	carpenter
KELLEY, THOMAS F.	578	Andover st.	clerk
KELLEY, WILLIAM A.	799	Princeton st.	Lowell water works
KENDALL, AMOS	12	Washington st.	stonecutter
KENNEDY, DANIEL	2 rear 42	Keene st.	mattress maker
KENNEDY, JAMES	31	Marion st.	liquor dealer
KENNEDY, WILLIAM R.	114	Warwick st.	electric lt. trimmer
KERWIN, EDWARD	36	Royal st.	plumber
KEYES, CHARLES F.	79	Sherman st.	auctioneer
KEYES, HENRY J.	517	Market st.	liquor dealer
KEYES, JULIAN B.	102	Third st.	bank clerk
KIDDER, AMASA N.	19	Hastings st.	marble & granite worker
KIDDER, CHARLES F.	1	Spalding st.	clerk
KIERNAN, PATRICK	35	Ludlam st.	loomfixer
KILBRIDE PATRICK	14	Stanley st.	grocer
KILLPARTRICK, SAMUEL W.	1057	Middlesex st.	restaurant keeper

K

KILPATRICK, JOHN	107	South Loring st.	carpenter
KILROY, JOHN	104	Lawrence st.	insurance agent
KIMBALL, CLARENCE L.	785	Merrimack st.	master mechanic
KIMBALL, EDWIN N.	72	Commonwealth ave.	bookkeeper
KIMBALL, GEORGE D.	785	Merrimack st. ..	real est. & insurance
KIMBALL, LEROY S.	27	Anne st.	roll coverer
KINGHORN, DAVID	33	West Meadow road	bookkeeper
KINGSBURY, JOHN M.	1087	Bridge st.	meat market
KIRBY, CHARLES P.	16	Walnut st.	storekeeper
KNOWLTON, HARRY W.	549	Westford st.	draughtsman

L

LAFLEUR, FREDERICK	1	Clark st.	barber
LAGASSE, SIMEON	335	Hildreth st.	furniture clerk
LAKE, JOSEPH G.	53	Branch st.	barber
LAMBERT, HENRY J.	225	Cumberland rd.	overseer
LAMOUREUX, FREDERICK A....	52	Mammoth road	hardware dealer
LAMSON, NATHAN P.	11	Porter st.	bank clerk
LAMSON, WILLIAM S. ..	194	Nesmith st.	manufacturer
LANE, WILLIAM F.	318	Central st.	bookkeeper
LANGEVIN, FELIX D.	37	B st.	assistant superintendent
LATOUR, PETER	15	Gershom ave.	loomfixer
LAURIN, CARL G.	40	Lundberg st.	stonecutter
LAVERY, JAMES A.	238	Pine st.	baker
LAWLER, THOMAS H.	153	Fort Hill ave.	stationer
LAWLESS, AUGUSTINE J.	70	Pleasant st.	asst. superintendent
LAWRENCE, ABBOTT	53	Berkley ave.	jeweller
LAYCOCK, JOHN W.	21	Ellsworth st.	engineer
LEARY, DANIEL M.	423	High st.	dyer
LEARY, DENNIS J.	786	Broadway	machinist
LEARY, SANFORD P.	11	West Chester st.	carpenter

L

LEAVITT, GEORGE E.	217	Westford st.	foreman
LEBLANC, ALFRED	89	Mammoth road,	retired
LEE, BERNARD F.	6	Dane st.	foreman
LEE, MICHAEL A.	48	Bartlett st.	carpenter
LEE, THOMAS C.	455	High st.	life & fire insurance
LEIGHTON, JAMES H.	41	Sixth st.	insurance
LEITH, NORMAN	43	London st.	blacksmith
LELACHEUR, JEAN B.	199	Mt. Hope st.	merchant tailor
LENNON, THOMAS E.	84	Mt. Washington st.	liquor dealer
L'ESPERANCE, WILFORD L.	30	Dutton st.	druggist
LEWIS, EDWARD J.	45	Abbott st.	painter
LEWIS, FRED O.	47	Oakland st.	druggist
L'HEUREUX, JOSEPH H.	536	Fletcher st.	lunch cart
LIBBY, CHARLES F.	69	Robbins st.	superintendent
LIBBY, DAVID D.	162	Sanders ave.	carpenter
LIDDELL, ANDREW	25	Twelfth st.	clerk
LIGHT, DANIEL	9	Kimball ave.	gardener
LISTEN, JAMES	368	Concord st.	janitor
LITCH, JOSEPH W.	586	Bridge st.	clerk
LITTLE, EDWIN F.	815	Moody st.	stock broker
LIVINGSTON, CORNELIUS S. ..	208	Branch st.	paymaster
LONG, OSMOND	92	Jenness st.	bookbinder
LORRAIN, WILFRED C.	180	A st.	printer
LUCE, RANSOM H.	24	Clifford st.	beltmaker
LULL, GEORGE E.	11	Nesmith st.	merchant
LUNDBERG, FRANK G.	44	Fay st.	laundryman
LYFORD, ALFRED E.	295	Central st.	civil engineer
LYMAN, JOHN A.	98	Hastings st.	clerk B. & M. R. R.
LYNCH, MICHAEL J.	15	Second ave.	janitor
LYNCH, THOMAS J.	31	Crowley st.	insurance agent
LYNCH, THOMAS J.	93	Andrews st.	barber
LYONS, JOHN K.	7	Westford st.	pinmaker

M

MACK, MARTIN T.18	Lenton ct.lunch cart prop.
MacKENZIE, DANIEL W. ....505	Wilder st. ....salesman
MAGUIRE, HUGH .....62	West Third st. ....bartender
MAGUIRE, JOHN E. ....35	Mead st. ....insurance agent
MAGUIRE, THOMAS F. ....22	Varney st. ....solicitor
MAHON, THOMAS .....116	West Sixth st. ....engineer
MAHONEY, JOHN J. ....35	Sutherland st. ....printer
MAILLE, ERNEST .....233	Ludlam st. ....storekeeper
MAJOR, FRANK A. ....60	Rea st. ....secondhand
MAKER, WILLIAM P .....37	Ware st... ....fireman
MANCHESTER, JOHN .....66	Willow st. ....janitor
MANSEAU, J. CALIXTE .....172	School st. ....merchant
MANSFIELD, GEORGE F. ....306	Wilder st. ....roofer
MANSUR, WILLIAM L. ....73	Clitheroe st. ....inspector of leather
MARDEN, PHILIP S. ....11	Fairview st. newspaper publisher & lawyer
MARDEN, ROBERT F. ....42	Huntington st. ....clerk
MARIN, JOSEPH .....793	Merrimack st. ....furniture dealer
MARKHAM, MICHAEL J. ....142	Chapel st. ....liquor dealer
MARTELL, HORMIDAS J. ....799	Moody st. ....supt. wire works
MARTIN, EDWARD F. ....543	Gorham st. ....grocer
MARTIN, MIZAEAL .....2-500	Moody st. ....tailor
MARTIN, WILLIAM .....125	Nesmith st. ....tailor
MATHISON, WALTER S. ....89	Cambridge st. ....painter
MAY, CHARLES H. ....963	Middlesex st. ....electrician
MAY, WILLIAM L. ....202	Central st. ....hotel clerk
MAYBERRY, SOLOMON S. ....54	Jenness st. ....superintendent
MALNARD, MYRON A. ....53	London st. ....overseer
McALEER, MICHAEL .....29	Chestnut st. ....carder
McALLISTER, MELVIN F. ....7	Oak st. ....shipping clerk

M

McALOON, ANDREW	361	Concord st.	insurance
McALOON, FRED F.	55	Bartlett st.	weaver
McALOON, WILLIAM F.	13	Myrtle st.	musician
McALVIN, HENRY J.	58	Methuen st.	keeper
McCAFFREY, FRANCIS E. .	rear 230	Fayette st.	buffer
McCAFFREY, JOHN H.	186	Pleasant st.	carpet weaver
McCAFFREY, THOMAS	251	Fayette st.	laborer
McCAFFREY, THOMAS J.	32	Swift st.	wool sorter
McCANN, ARTHUR	981	Central st.	insurance agent
McCANN, JAMES	4 rear 224	Ludlam st.	mule spinning
McCANN, PATRICK	412	Lincoln st.	dresser
McCARTHY, JOHN J.	244	Broadway	machinist
McCARTHY, JOHN P.	15	Fay st.	nurse
McCARTHY, THOMAS	13	Harrison st.	musician
McCLUSKY, WILLIAM J.	40	Union st.	lawyer
McCORMICK, JOHN E.	108	Livingston ave.	salesman
McGOVERN, PATRICK	16	Livermore st.	shoe clerk
McCULLOUGH, JOHN	33	Chestnut st.	grocer
McDANIELS, WALTER H.	437	East Merrimack st.	manufacturer
McDERMOTT, WILLIAM H.	158	Pleasant st.	leather roll maker
McDONALD, JOSEPH A.	402	Mammoth road	produce dealer
McELHOLM, DANIEL B.	89	Concord st.	woolen weaver
McELHOLM, WILLIAM H.	465	Westford st.	plumber
McEVOY, JOHN A.	22	Bertram st.	optician
McEVOY, PATRICK	109	Powell st.	furniture finisher
McGILLY, PATRICK	112	Concord st.	wool sorter
McGLINCHEY, JEREMIAH	48	Chapel st.	liquor dealer
McGLYNN, JAMES	18	Third st.	motorman
McGAUVRAN, WILLIAM H.	665	Bridge st.	clerk
McGRATH, JOSEPH H.	88	Coburn st.	janitor
McINTIRE, GEORGE E.	605	Wilder st.	machinist

M

McINTOSH, GEORGE A.201	Wilder st.mechanic
McKENZIE, WILLIAM R.	Juniper st. ....manager
McKEON, JAMES E. ....184	Chelmsford st. ....clerk
McKIDDER, GEORGE B. ....389	Lincoln st. ....pattern maker
McKINNON, MURDOCK .....1104	Lawrence st. ....marketman
McLAUGHLIN, EDWARD P. ....654	Bridge st. Lowell electrotype foundry
McLAUGHLIN, JOHN F. ....151	West Sixth st. ....piper
McLAUGHLIN, JOHN T. ....173	Stackpole st. ....clerk
McLAUGHLIN, WILLIAM J. ....173	Stackpole st. ....lineman
McMAHON, FRANK .....539	Chelmsford st. ....machinist
McMAHON, JOSEPH F. ....456	Chelmsford st. ....plumber
McMAHON, PETER E. ....118	Bartlett st. ....driver.
McMAHON, WILLIAM J. ....241	West London st. ....leather worker
McMANMON. JOHN J. ....57	Second ave. ....florist
McMASTER, FRANK E. ....52	Midland st. ....carpenter
McNABB, JAMES S. ....106	Pleasant st. ....laundryman
McNABB, JOHN H. ....108	Pleasant st. ....laundryman
McOSKER, JOHN F. ....2 rear 230	Suffolk st. ....clerk
McOSKER, THOMAS F.....23	Huntington st. ....cashier
McQUADE, ARTHUR F. ....246	Concord st. ....loomfixer
McQUADE, JOHN J. ....49	Sixth st. ....carpet weaver
McQUADE, MICHAEL .....65	Pleasant st. ....laborer
McQUESTEN, ALBERT W. ....118	D st. ....clerk
McSORLEY, JOHN .....34	Nesmith st. ....J. C. Ayer Co.
MEADE, WILLIAM V. ....247	Gorham st. ....newspaper manager
MEALEY, FRANK L. ....509	School st. ....stencil cutter
MEALEY, JOHN R. ....172	Howard st. ....stencil maker
MEEHAN, EDWARD J. ....289	Concord st. ....teamster
MEIKLEJOHN, HARRY Jr. ....178	Pleasant st. ....engraver
MELANCON, ALBINI J. ....3-500	Moody st. ....tailor

M

MELLEN, JOSEPH H.	371	Bridge st.	city water works
MELLO, MANUEL P.	33	Powell st.	barber
MELLOR, GEORGE H.	366	Westford st.	overseer
MERCIER, HENRY	141	Cabot st.	special police
MERCIER, LOUIS	141	Meadow road	merchant
MERRILL, CHARLES S.	1	Osgood st.	confectioner
MERRILL, FRANK M.	156	Tenth st.	selling agent
MERRITT, WILLIAM H.	262	Concord st.	drummer
MEVIS, GEORGE B.	52	Methuen st.	clerk
MILLER, GEORGE W.	75	Howard st.	agent
MILLER, JOSEPH	21	Loring st.	treasurer
MILLER, JOSEPH H.	284	Fletcher st.	clerk
MITCHELL, JAMES W.	79	Mt. Washington st.	carpenter
MOIR, JOHN	342	Mammoth road	optician
MOLLOY, ANDREW	132	Genoa ave.	overseer
MONAHAN, PATRICK R.	38	West Fifth st.	teamster
MONETTE, JOSEPH H.	186	Aiken ave.	clerk
MONGEAU, GEORGE E.	444	Fletcher st.	merchant
MORIN, JOSEPH U.	812	Merrimack st.	merchant
MORIN, OVILA	68	Mt. Hope st.	clerk
MORRIS, WILLIAM	644	Varnum ave.	telegraph operator
MORSE, ROBERT A.	347	Dutton st.	shipping clerk
MOTLEY, GEORGE S.	95	Nesmith st.	
			manager Lowell gas light co.
MULCAHY, JOHN J.	34	Stanley st.	electrotypewriter
MULDOON, THOMAS	427	Lincoln st.	laborer
MULLANEY, JOHN J.	37	Bowers st.	foreman
MULLEN, JOSEPH	232	Moore st.	merchant
MULLIGAN, THOMAS J.	92	Pleasant st.	newspaper
MUNN, FRANCIS D. Jr.	151	Eleventh st.	storekeeper
MURPHY, EDWARD L.	182	Pleasant st.	reporter

M

MURPHY, FRANK B.348	Wilder st.ins & real estate
MURPHY, JAMES A. ....82	Hanks st. ....overseer
MURPHY, JEREMIAH F. ....165	Mt. Hope st. ....liquor dealer
MURPHY, JOHN D. ....16	Sargent st. ....machinist
MURPHY, JOHN H. ....235	Hale st. ....painter
MURPHY, THOMAS F. ....189	Parker st. ....plumber
MURPHY, WILLIAM W. ....51	Pine st. ....liquor dealer
MURKLAND, WALTER E. ....313	High st. ....clerk
MURRAY, FRANK ....86	Fourth ave. ....blacksmith
MUZZEY, WALTER L. ....25	Fort Hill ave. ....salesman
MYERS, JAMES W. ....104	South Whipple st. ....clerk
MYERS, WILLIAM ....102	Andrews st. ....overseer

N

NEALE, ELISHA J.349	Beacon st. treasurer Thompson Hardware Co.
NESMITH, JOSEPH A. ....229	Andover st. ....real estate
NOBLE, JOHN T. ....197	Moore st. ....machinist
NOLAN, JOHN H. ....117	Fulton st. ....janitor
NORCROSS, NICHOLAS G. ....227	Nesmith st. ....life & fire insurance
NORMANDIN, ZEPHIRIN A. ....20	White st. ....clothing dealer
NUGENT, MICHAEL ....13	L st. ....operative
NUTTALL, GEORGE W. ....305	Summer st. ....boarding house keeper
NUTTING, DEXTER W. ....8	Dalton st. ....drug clerk

O

O'BRIEN, DANIEL J.90	Parkview ave.tea merchant
O'BRIEN, HENRY ....74	Chapel st. ....r. r. ticket agent
O'BRIEN, JOHN J. ....399	Worthen st. ....foundryman
O'BRIEN, JOHN J. ....107	High st. ....slater
O'BRIEN, PATRICK ....175	Broadway ....laborer
O'BRIEN, WALTER ....174	Concord st. ....farmer

O

O'CONNELL, JOHN J.	61	Newhall st.	undertaker
O'CONNOR, JOHN J.	298	Riverside st.	contractor
O'CONNOR, MAURICE	635	Market st.	laborer
O'CONNOR, MICHAEL J.	900	Gorham st.	storekeeper
O'DOWD, HENRY J.	338	High st.	carriage dealer
O'DWYER, JEREMIAH J.	148	Midland st.	conductor
O'FLAHAVAN, JAMES	142	Myrtle st.	real estate
O'HARE, FRANK	29	Bassett st.	bartender
O'HARE, JAMES	27	Ellsworth st.	teamster
O'HARE, JOHN P.	167	Warren st.	carpet weaver
O'HEARN, PATRICK	282	Riverside st.	contractor
O'HEIR, OCTAVIEN G. I.	68	Lane st.	merchant
O'NEILL, JOHN H.	290	East Merrimack st.	tinsmith
O'NEILL, JOHN J.	rear 39	Lilley ave.	operative
ORT, JOHN J.	107	Cashin st.	blacksmith
O'SHEA, MICHAEL	213	Concord st.	machinist
OSTERHOUT, FRED S.	24	Bellevue st.	livery stable
O'SULLIVAN, HUMPHREY	105	Butterfield st.	mfg. rubber heels
O'SULLIVAN, JAMES	105	Mt. Washington st.	shoe dealer
O'TOOLE, JOHN	86	Sherman st.	salesman
OWEN, GEORGE E.	156	Andover st.	bookkeeper

P

PAGE, DUDLEY L.	636	Rogers st.	catering
PAIGE, CHARLES D.	45	Thirteenth st.	auditor
PALMER, CHARLES D.	129	Fairmount st.	state commissioner
PALMER, FORREST E.	25	Osgood st.	bookkeeper
PALMER, SAMUEL B.	394	Beacon st.	produce dealer
PARADIS, J. HORACE	23	Bellevue st.	clerk
PARADIS, ROBERT C.	869	Bridge st.	reporter
PARENT, J. GEDION	68	Cabot st.	operative
PARENT, PHILIAS J.	112	Llewellyn st.	reporter

P

PARK, ALBERT S.28	Riverside st.ambulance driver
PARKER, CHARLES A. ....13	Second st. ....painter
PARKER, STANLEY M. ....712	School st. ....clerk
PARTHENAIS, CHARLES H. ..514	Moody st. ....merchant
PARTHENAIS, WILLIAM A. ....16	Grand st. ....merchant
PATTEE, ARTHUR M. ....9	Brickett ave. ....conductor
PEABODY, ORVILLE W. ....698	School st. ....stable keeper
PEARSON, FRED H. ....216	Foster st. ....shoe merchant
PEARSON, GEORGE F. ....24	Grace st. ....inventor
PEARSON, HARRY W. ....6	Astor st. ....advertising
PEASE, MARK M. ....81	Westford st. ....musician
PELTIER, WILLIS J. ....792	Moody st. ....jeweler
PENDERGAST, JOHN H. ....80	Adams st. ....stone cutter
PENN, WILLIAM HENRY .....262	London st. ....builder
PERREAULT, DAVID .....20	Fernald st. ....jeweler
PERRON, JOSEPH .....470	Moody st. ....barber
PERSON, NILS .....82	London st. ....carpenter
PETERS, WILLIAM B. ....16	Bryant st. ....clerk
PETERSON, GEORGE W. ....37	South Loring st. ....real estate agent
PEVEY, JAMES A. ....366	Walker st. ....prop. foundry
PHANEUF, LOUIS N. ....467-10	Moody st. ..inspector charity board
PICKERING, H. EDWARD .....4	Bertram st. ...manager knitting mill
PICKERING, SAMUEL A. ....34	Hastings st. ....carpenter
PIHL, CARL G. A. F. W. E. ....45	Fay st. ....foreman
PILLING, JOHN B. ....1199	Middlesex st. ....shoe manufacturer
PINAULT, ZEPHRIN R. ....87	Whitney ave. ....storekeeper
PINDER, ALBERT L. ....457	Lawrence st. ....carpenter
PINDER, JAMES H. ....352	East Merrimack st. ....real estate
PIPER, FRED .....116	D st. ....salesman
PLANTE, JOSEPH A. ....27	Easton st. ....grocer
PLUMMER, RUFUS W. ....39	Norcross st. ....engineer

P

POLLARD, HARRY G.	96	Mansur st.	merchant
POTTER, WILLIAM H.	251	Gibson st....	cigar & tobacco dealer
POWERS, JOHN	130	Cross st.	teamster
POWERS, JOHN T.	52	Claire st.	clerk
PRATT, ORESTES M.	1767	Middlesex st.	lumber dealer
PREBLE, GEORGE A.	96	Fort Hill ave.	secondhand
PRESTON, CHARLES R.	335	Thorndike st.	civil engineer
PRESTON, JAMES F.	403	Andover st.	treasurer
PRINCE, ARTHUR D.	5	Simpson st.	merchant
PUCCELL, JOSEPH A.	123	Lakeview ave.	salesman
PUFFER, FRED A. A.	13	Dover st.	grocer
PUFFER, STEPHEN B.	942	Middlesex st.	manufacturer
PUTNAM, ADDISON, Jr.	325	Rogers st.	merchant
PUTNAM, ALONZO	19	Third ave.	salesman
PUTNAM, FRANK E.	1210	Middlesex st. ..	restaurant proprietor

Q

QUEENAN, EUGENE C.	54	Pond st.	clerk
QUILL, FRANK Jr.	21	Robinson st.	printer
QUINN, JOHN J.	62	Brookings st.	moulder
QUINN, MICHAEL	14	Fort Hill ave.	fruit dealer
QUINN, THOMAS F.	4	Birch st.	weaver
QUINN, THOMAS F.	30	Weed st.	steam fitter
QUIRBACH, HENRY C.	142	Gorham st.	cigar maker
QUIRK, WILLIAM	185	Adams st.	laborer

R

RAFFERTY, MICHAEL T.	36	Cedar st.	hack driver
RAMSDELL, DANIEL W.	94	D st.	foreman
RANDLETT, FRED M.	:8	Gates st.	fish dealer
READ, GEORGE G. Jr.	14	Belrose ave.	grocer
READ, HARRY H. J.	347	Westford st.	automobile dealer

R

READ, WILLIAM A.	228	Liberty st.	tea & coffee merchant
READY, DAVID E.	774	Broadway	grocer
REARDON, PATRICK	95	Dummer st.	laborer
REDDING, DANIEL	45	Adams st.	grocer
REDMOND, JAMES J.	3	Masterson's yard	clerk
REID, WILLIAM	7	Calvin st.	carpet weaver
REIDY, MARTIN H.	172	School st.	manager, Lowell Sun
REILLY, PETER W.	137	Hovey st.	printer
REINSTIERNA TORSTEN	43	Sidney st.	wool sorter
RENAUD, SAMUEL Jr.	602	Middlesex st. ..	groceries & provisions
REYNOLDS, BERNARD	174	Fourth ave.	barber
RHODES, BENJAMIN	12	Oak st.	manufacturing
RICARD, FRANCOIS XAVIER, ..	420	Fletcher st.	jeweler
RICH, ARTHUR B.	20	Epping st.	bookkeeper
RICHARDS, AUGUSTUS	38	Gershom ave.	clerk
RICHARDS, EDWARD S.	794	Merrimack st.	brakeman
RICHARDS, LYMAN H.	88	Avon st.	carpenter
RICHARDSON, ALBERT J.	161	Hildreth st.	shuttle maker
RICHARDSON, CHARLES F.	112	Jenness st.	agent
RICHARDSON, EDWARD J.	75	Moore st.	clerk
RICHARDSON, HENRI E.	1460	Middlesex st.	farmer
RICHARDSON, JOSEPH S.	58	Lamb st.	belt maker
RIDDICK, HERBERT C.	201	Smith st.	overseer
RIGGS, WILLIAM E.	135	River st.	expressman
RILEY, CHARLES	65	Chestnut st.	barber
RILEY, JOHN	110	Lewis st.	laborer
RILEY, LUKE J.	145	Merrimack st. room 10	barber
RILEY, PHILIP	124	High st.	mattress maker
ROACH, HENRY A.	303	Westford st.	retired
ROARK, MILES	28	Lyon st.	clerk

R

ROBERT, VITAL	33	Fifth ave.	carpenter
ROBERTSHAW, HENRY	33	Warnock st.	wool sorter
ROBERTSON, JOHN L.	470	Andover st.	furniture dealer
ROBINSON, HENRY O.	34	Webster st.	boarding house
ROGERS, JOHN F.	29	Cedar st.	undertaking
ROPER, GEORGE A.	335	Walker st.	travelling auditor
ROPER, WILLIAM	292	Concord st.	machinist
ROUNTREE, ALEXANDER E. ..	147	Pleasant st.	salesman
ROUSSEAU, DONAT	195	Salem st.	clerk
ROUSSEAU, NAPOLEON C.	160	Hall st.	merchant
RUNELS, GEORGE H.	240	Gibson st.	real estate
RUSSELL, CYRUS W.	115	Mt. Vernon st.	grocer
RUSSELL, EDWARD F.	96	Woodward ave.	foreman
RUSSELL, JOHN L.	17	Victoria st.	manager.
RYAN, ALBERT J.	61	Bellevue st.	real estate
RYAN, JEREMIAH	779	Westford st.	tinsmith
RYAN, PATRICK J.	1	Goward ct.	clerk

S

SABOURIN, DAVID	15	Perrin st.	pattern maker
SALMON, EDWARD A.	186	School st.	overseer
SANBORN, FRED W.	44	Fred st.	carpenter
SANBORN, WARREN F.	260	Mansur st.	foreman
SANDERSON, GEORGE W.	136	Bartlett st.	clerk
SANTESSON, CARLE J. E.	52	London st.	clerk
SARGENT, GEORGE A.	49	Andover st.	lineman
SARGENT, WILLIAM A.	78	First st.	motorman
SAUNDERS, ARTHUR W.	94	Twelfth st.	shuttle manufacturer
SAUNDERS, THOMAS A.	522	Merrimack st.	undertaker
SAVAGE, PETER H.	24	Ames st.	undertaker
SAWYER, ORRIN A.	134	Walker st.	inventor

S

SCANNELL, BARTHOLOMEW ..	535	Westford st.	boiler maker
SCOBLE, JOEL M.	118	London st.	stenographer
SCOTT, FRANK	3	Harrison place ..	commercial traveler
SCOTT, GEORGE N.	238	Chelmsford st.	woodworker
SCOTT, SAMUEL	220	Appleton st.	merchant
SCRIBNER, GEORGE A.	158	Westford st.	machinery dealer
SEETER, WILLIAM F.	238	Cabot st.	overseer
SHANNESY, GEORGE W.	180	Grand st.	wheelwright
SHARROW, FREDERICK S.	16	Walnut st.	merchant tailor
SHAW, EDWIN T.	343	Wilder st.	plumber & piper
SHEA, EDWARD F.	178	Perry st.	liquor dealer
SHEA, JOHN E.	28	Butler ave.	currier
SHEDD, FREEMAN B.	396	Andover st.	real estate
SHEEHY, JAMES	3	Pleasant st.	provision clerk
SHEPARD, CHARLES H.	202	Merrimack st.	tailor
SHEPARD, CHARLES S.	254	Parkview ave.	steam fitter
SHEPHERD, ROBERT J.	82	Fort Hill ave.	
		, watchman & crossing tender	
SHERMAN, ARTHUR W.	339	Westford st.	clerk
SHERMAN, LEONARD F.	148	Princeton st.	shoe manufacturer
SHERWELL, WILLIAM M.	2	Barton ave.	paymaster
SHERWOOD, FRANK J.	79	Vernon st.	glue manufacturer
SHIELDS, WILLIAM H.	627	Chelmsford st.	carpet weaver
SILCOX, SAMUEL	19	Robert st.	machinist
SILVER, FRED W.	94	South Loring st.	machinist
SIMPSON, JOHN A.	67	Methuen st.	mason & contractor
SMALL, GEORGE	737	Lakeview ave.	motorman
SMART, CHARLES E.....	104	D st.	grocer
SMITH, CALEB L.	878	Chelmsford st.	agent
SMITH, CHARLES P.	314	Nesmith st.	real estate
SMITH, CHESTER F.	270	Gibson st.	travelingman
SMITH, HENRY	233	Fayette st.	barber

S

SMITH, LEWIS S. Jr.	222	Lincoln st.	laborer
SMITH, LORENZO E.	122	Mammoth road	city employee
SMITH, OMER J.	162	Fourth ave.	laborer
SMITH, ORANGE V.	22	Leverett st.	machinist
SMITHSON, ANGELO L.	26	Ash st.	overseer
SNOW, SAMUEL E.	89	School st.	mason
SOUTHAM, BROOK	13	Cambridge place	shipper
SPALDING, EDWARD F.	39	Tyler st.	gentleman
SPALDING, WILLIAM B.	1	Centre st.	real estate
SPEAR, FREDERICK A.	576	Westford st.	general agent
SPEIRS, JAMES A.	715	Chelmsford st.	overseer
SPRAGUE, L. KIRK	120	Sprague ave.	mason
STAFFORD, EBEN B.	301	Mammoth road	Pawn broker
STANLEY, HARRY L.	22	Hoyt ave.	coal dealer
STANTON, JOHN B.	23	Newhall st.	wool sorter
STAPLES, GEORGE N.	31	Hampshire st.	clerk
STEPHENS, SAMUEL G.	47	South Walker st.	machinist
STEVENS, ALMON P.	43	Hildreth st.	sexton
STEVENS, TYLER A.	751	Andover st.	real estate
STEVENS, WINSLOW B.	46	Main st.	carpenter
STEVENSON, FINDLAY	45	Princeton st.	retired
STEWART, JOHN W.	45	Thirteenth st.	plumber
STICKNEY, FREDERICK W.	53	Third st.	architect
STOCKS, HARRY	141	Parkview ave.	Courier-Citizen
STOTT, THOMAS	209	Nesmith st.	manufacturer
STOUGHTON, WILLACE H.	162	Powell st.	teamster
STOVER, CHARLES L.	209	Nesmith st.	manufacturer
STOWELL, CHARLES H.	99	Fairmount st.	manager
STOWELL, FRANK E.	179	Foster st.	park department
STRATTON, JOHN S.	151	Middlesex st.	janitor
STUART, FRANK	79	Fort Hill ave.	engraver

S

SULLIVAN, CORNELIUS180	Broadway barber
SULLIVAN, CORNELIUS F.	....10	Alder st.	.....barber
SULLIVAN, DANIEL	.....99	Andrews st.	.....merchant
SULLIVAN, EUGENE P.	.....84	Maple st.	.....primer
SULLIVAN, FRANK J.	.....45	Wamesit st.	....clerk, B. & M. R. R.
SULLIVAN, JOHN J.	.....44	Keene st.	.....laborer
SULLIVAN, MARTIN W.	.....16	Lagrange st.	.....electrician
SULLIVAN, MICHAEL E.	.....330	Concord st.	.....barber
SULLIVAN, THOMAS A. D.	....762	Broadway	..... merchant
SUTCLIFFE, WILLIAM T.	.....153	Appleton st.	.....musician
SWAN, ALBERT J.	.....33	Congress ave.	.....druggist
SWANSON, ALFRED	.....1317	Lawrence st.	.....granite polisher
SWANTON, ALBION F.	.....236	Parkview ave.	.....manufacturer
SWEATT, ALBION	.....62	Eighteenth st.	.....carpenter
SYLVESTER, WALTER R.	.....90	Westford st.	.....patternmaker

T

TALBOT, HARRY L.15	Fairview st.traveling salesman
TANSEY, JOHN F.	.....63	Bartlett st.	.....coachman
TAYLOR, GEORGE A.	.....103	Sherman st.	.....caterer
THATCHER, WILLIAM H.	.....90	South Whipple st.	.....grocer
THERIAULT, FREDERICK	....259	White st.	.....machinist
THISSELL, WALTER F.	.....109	Mansur st.	.....hardware
THOMAS, JOHN	.....45	Tolman ave.	.....carpet weaver
THOMPSON, JAMES	.....68	Grove st.	.....box manufacturer
THOMPSON, MARTIN B.	.....242	Cabot st.	.....overseer
THOMPSON, PERRY D.	.....126	Fort Hill ave.	.....lumber operator
THOMPSON, SAMUEL H.	.....121	School st.	.....hardware store
THOMPSON, WILLIAM M.	.....14	Ellingsburg st.	.....iceman
THORNE, JOHN Jr.	.....15	Fernald st.	.....foreman
THORNTON, CHARLES E.	.....78	Bridge st.	.....prop. bar room

T

THORPE, JAMES	100	Riverside st.	treasurer Glass Co.
THURSTON, CHARLES E.	24	Lane st.	teamster
TIGHE, JOHN	11	Dutton st.	insurance agent
TILTON, FREDERICK N.	57	South Walker st.	janitor
TILTON, GEORGE F.	311	Lincoln st.	retired
TIMMONS, HARRY L.	959	Middlesex st.	druggist
TINKER, CLARENCE C.	6	Astor st.	claim agent
TURCOTTE, HOMER L. P.	526	Moody st.	asst. janitor
TURCOTTE, LOUIS P.	22	Riverside st.	liquor dealer
TURGEON, LOUIS G.	386	Fletcher st.	drug clerk
TURNER, CLARKSON, H.	23	Perrin st.	foreman Gas Co.
TURNER, FRANK E.	33	Ware st.	fireman
TRACY, JAMES H.	281	Concord st.	mattress maker
TYRRELL, JOHN E.	482	Lawrence st.	provision dealer

V

VARNEY, EDWARD S.	20	Ash st.	proof reader
VIGEANT, PAUL	48	Riverside st.	grain dealer
VIGNEAULT, EDMOND J.	476	Moody st.	clerk
VIGNEAULT, RODOLPHE J.	118	Gershom ave.	foreman
VINCENT, JOHN	61	Fifth ave.	real estate
VINING, ALONZO H.	27	Eighth ave.	carpenter

W

WADE, JOHN	47	Auburn st.	clerk
WADLEIGH, JUDE C.	305	Andover st.	mill agent
WAHLGREN, CARL A.	134	Gorham st.	cigar maker
WALKER, EDWARD C.	236	Chelmsford st.	machinist
WALKER, GEORGE L.	86	Sherman st.	butcher
WALKER, HUGH G.	18	Pihl st.	tea merchant
WALKER, JAMES F.	43	Seventh st.	overseer
WALKER, JOHN J.	22	Lyon st.	elevator man

W

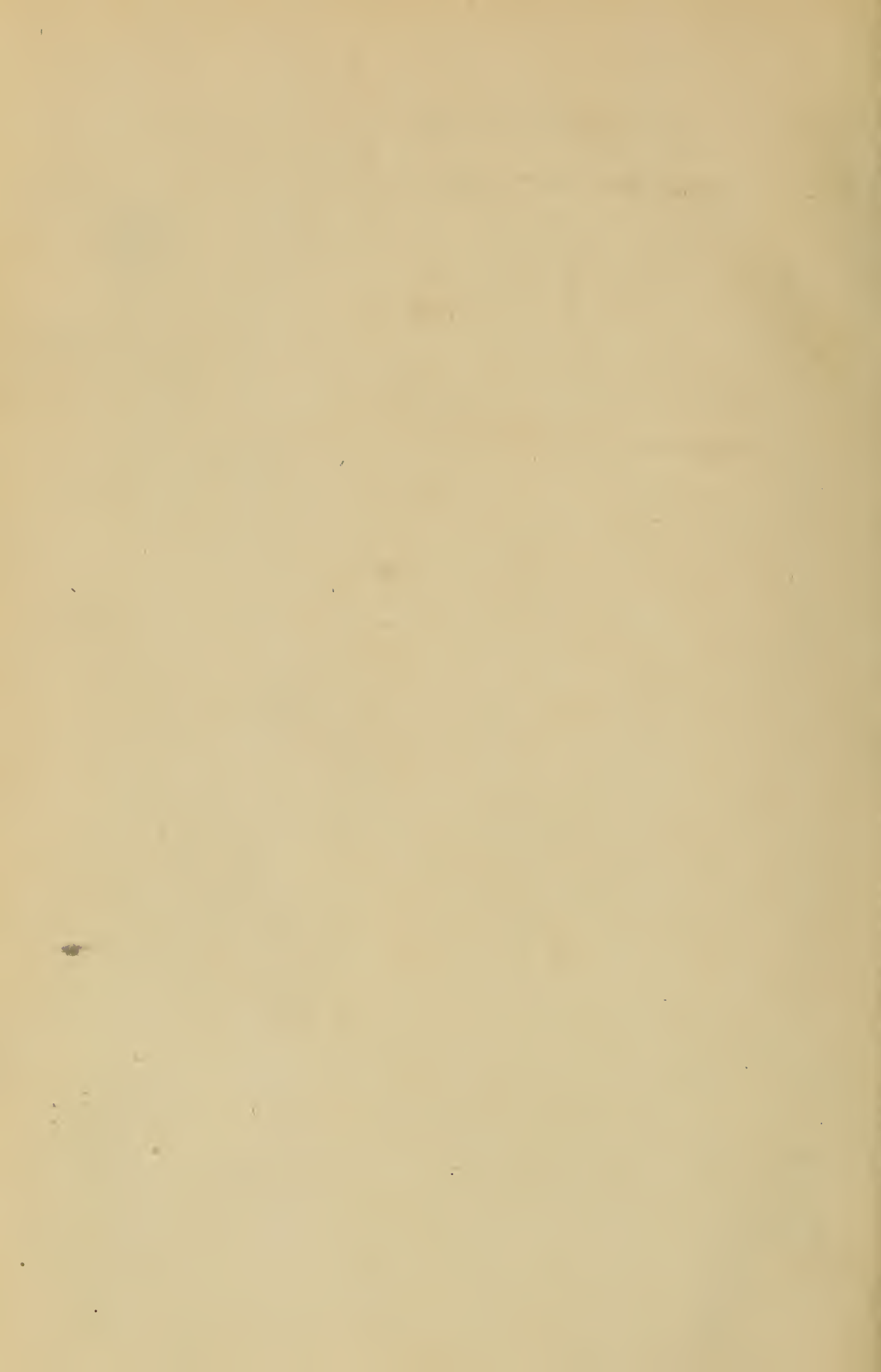
WALKER, THOMAS C.	80	Chestnut st.	druggist
WALLACE, EUGENE C.	78	Varney st.	engineer
WALLACE, TIMOTHY J.	63	Watson st.	operator
WALSH, ALONZO G.	419	Andover st.	banker & broker
WARBURTON, JOHN	23	Moore st.	liquor dealer
WARREN, OSCAR E.	18	Broadway	machinist
WASHBURN, GEORGE B.	179	Humphrey st.	reporter
WATSON, GEORGE B.	19	Second st.	mill watchman
WEAVER, FRANK L.	479	Westford st.	gravel roofer
WEBSTER, HERBERT E.	251	Foster st.	salesman
WEEKS, FRANK R.	22	Pine st.	clerk
WEIGHT, FRANCIS W.	29	Second ave.	machinist
WELCH, FREDERICK F.	466	Fletcher st.	furniture repairer
WELCH, JAMES J.	181	E. Merrimack st.	merchant
WELCH, RICHARD F.	174	Hale st.	laborer
WELCH, RICHARD J.	543	Andover st.	plumber
WELCH, WILLIAM F.	34	Cedar st.	carpenter
WELCOME, ASHLEY A.	661	Rogers st.	secondhand
WESTALL, WILLIAM E.	290	E. Merrimack st.	merchant
WESTON, CHARLES F.	32	Colonial ave.	beltmaker
WESTWOOD, JOHN S.	26	A st.	druggist
WHELAN, CHARLES B.	55	Keene st.	foreman
WHELTON, MATTHEW	19	Lombard st.	wine clerk
WHIDDEN, GRAHAM R.	383	East Merrimack st.	insurance
WHIPPLE, S. FOSTER	40	Berkley ave.	advertising manager
WHITCOMB, IRVING	48	South Walker st.	clerk
WHITCOMB, WINFIELD F.	34	Burgess st.	clerk
WHITE, EDWARD C.	291	Concord st.	tailor
WHITE, JOHN F.	60	Fulton st.	clerk
WHITE, WILLIAM T.	86	Belmont st. ..	manufacturer of leather
WHITEHEAD, JOHN T.	22	Wamesit st.	blacksmith

W

WHITTET, CHARLES A.12	Sidney St.superintendent
WHITTET, DAVID W. ....15	Crowley st. ....carpenter
WHITTET, FRANK S. ....50	Wentworth ave. ....plumber
WHITTIER, STEPHEN T. ....26	Hanks st. ....paymaster
WHITWORTH, ALBERT ....31	Sidney st. ....clerk
WIBBERLY, JOHN ....249	East Merrimack st. ....bookbinder
WIGGIN, FRANK B. ....76	Canton st. ....bookkeeper
WILDE, JOSEPH L. ....11	Morton st. ....warp dresser
WILDER, WESLEY M. ....6	Coral st. ....hay & grain dealer
WILDER, WILLIAM H. ....,....187	Pleasant st. ....woolen weaver
WILLIAMS, HENRY J. ....354	Pine st. ....farmer
WILLMAN, CLARENCE T. ....5	Butler ave. ....overseer
WILLS, GARDNER ....15	Hampshire st. ....clerk
WILSON, CHARLES V. S. ....89	Westford st. ....foreman
WILSON, WILLIAM J. ....31	Stanley st. ....secondhand
WINN, JOHN J. ....29	South Whipple st. ....mattress maker
WIRT, EDWARD R. ....258	Wentworth ave. ....salesman
WOOD, GEORGE H. ....47	Whitney ave. ....storekeeper
WOOD, MILLARD F. ....51	Whitney ave. ....storekeeper
WOODIES, FRED ....74	Gates st. ....clerk
WOODWORTH, HENRY P. ....15	Hawthorne st. ....box maker
WORTHEN, GEORGE E. Jr. ....27	Forrest st. ....clerk
WOTTON, CHARLES A. ....26	Loring st. ....hay & grain dealer
WRIGHT, FRANK B. ....57	Willow st. ....carpenter
WYMAN, MOSES ....62	Middlesex st. ....lodging house
WYMAN, RANDALL T. ....211-213	Middlesex st. ....lodging house

Y

YARNOLD, RICHARD M.46	Rhodora st.carpenter
YOUNG, CHARLES F. ....625	Central st. ....decorator
YOUNG, JAMES A. ....585	Broadway ....machinist



ANNUAL REPORT

—OF THE—

Sealer of Weights and Measures.

TO HIS HONOR THE MAYOR AND THE HONORABLE CITY COUNCIL.
GENTLEMEN:

In compliance with the requirements of the Revised ordinances, I have the honor to submit the following report of the Weights and Measures Department for the year 1908.

The force of this department at present, consists of the Sealer and one helper.

The office and standards are located in the basement of City Hall, in a small room adjoining the rooms of the Overseers of the Poor. The workrooms used for testing and repairing scales, weights, bottles and baskets are located at No. 64 Railroad Street, and are totally inadequate for the work of this department. I recommend that they be refitted to the requirements of the business, or transferred to some other location. These workrooms are not owned by the City, but are rented at a cost of one hundred and fifty dollars per year. Early in the year a new ordinance was passed which became operative April 1st. Under the new ordinance much has been done to equip the department and to establish some system of the work. Prior to this year no record had been kept of the work done, and no system of doing the work had ever been established.

I make no claim to having covered the entire City since we established our workrooms on May 1st, but the following figures will show that we have covered a large portion of the business

district, and have done all that we could possibly do in the time mentioned. Whatever imperfections may still exist we hope to overcome in the near future.

A large part of the time of the Sealer and helper is consumed in testing milk bottles or jars. We have handled to date 80618 of these jars and bottles. This is a slow business, and the City gets no revenue under the law. There are about sixty milk dealers who are required to have their work done at this office, and the work is constantly increasing.

I recommend that the present helper be made a Deputy Sealer so that he could seal, as well as assist, the Sealer. Under the present order of things the Sealer must PERSONALLY attach the seal to all appliances, and must PERSONALLY put the stamp on all bottles; whereas if the present helper were appointed "Deputy" he could seal as well as assist. This would not mean necessarily any larger appropriation, but would enable the department to turn out more work in the same length of time.

There may be a small element of storekeepers who deliberately give short weights and measures but as a general proposition the merchants of this City are honest in their dealings with the people. Where anything suspicious has been discovered the dealer has been warned, and closely watched. I find the merchants, as a rule, to be ready and willing to help the department. Where scales and measures have been condemned, new ones have been substituted. This is especially true of the Ice dealers and the dealers known as Hawkers and Pedlers, who have within the year, nearly all supplied themselves with new scales and measures.

All Hawkers and Pedlers, also junk dealers are now required to have their appliances sealed before a license can be obtained. I shall recommend to the License Commissioners that all pedlers be required to appear at the office of the Sealer at stated times for the purpose of having their vehicles, receptacles, weighing and measuring devices inspected.

I am preparing at the present time, a list of coal dealers, milk dealers, junk dealers and Hawkers and Pedlers for the purpose of reference and to enable the Sealer to see that the appliances of all are tested. I have been unable as yet to give

much time to the re-weighing of coal, for the reason that so much time has been taken in testing milk bottles. It is my intention during the winter months to give the Coal business the necessary attention, especially where coal is sold in small quantities. I am of the opinion that the matter of milk bottles which consumes so much time of the Sealers will, before long, be adjusted, either by a City Ordinance requiring all sellers of milk to furnish a bond as guarantee that their bottles and jars meet the requirements of the law, or by a law that will require all bottle makers to give bonds to guarantee all bottles to be of standard size.

One of the important matters at present agitated by Sealers and the general public, is the so-called Computing Scale. I find the opinions of intelligent men differ in regard to the Computations of these Scales. But the differences are only technical and in my judgment these differences will soon be adjusted and the Computing Scale will become more generally used. I believe they have come to stay and I also believe they give to the purchaser as honest weight as any other scales. The matter of correct computation is in the Courts at the present time, and in the meantime the decision of the Sealer is final.

APPROPRIATION.

Appropriation for Salary of Sealer, January 1st to March 31st	\$ 87.51
Appropriation for Salary of Sealer, April 1st to December 31st	900.00
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Appropriation for Sundries, January 1st to March 31st	50.00
Appropriation for Sundries, including Pay of Helper, April 1st to December 31st	1250.00
Appropriation for Rent of Workrooms at 64 Railroad Street	150.00
TOTAL	<u>\$2437.51</u>

EXPENDITURES.

Salary of Sealer, John W. Stott	\$ 987.51
Assistant, John Nestor	358.50
	<u>\$1346.01</u>
<hr/>	
Teaming:	
Hill Transfer Co.	13.00
Stanley Transfer Co.	7.25
J. H. Sparks	2.00
	<u>22.25</u>
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Rent of Workrooms, 64 Railroad Street ..	100.00
<hr/>	
Team and Outfit:	
C. H. Hanson & Co., Horse	200.00
C. H. Hanson & Co., Wagon	125.00
Geo. H. Taylor, Canopy Top for Wagon	22.00
Geo. H. Taylor, Blankets, etc.	4.25
Geo. H. Taylor, Repairs to Harness, Painting and Repairing Wagon...	30.95
Geo. H. Taylor, Board of Horse.....	198.14
A. H. Cluer, Harness.....	25.00
J. J. Donnelly, Horseshoeing	17.40
	<u>622.74</u>
Printing:	
Baker Printing Co.	\$ 19.00
Lowell Daily Sun	9.50

Courier-Citizen Co.	21.40	
Sunday Telegram.....	3.60	
Butterfield Printing Co.	4.00	
	<hr/>	\$ 57.50
Stationery, etc.:		
T. H. Lawler	2.15	
G. C. Prince & Son	13.65	
Green Seals	4.30	
Hobbs & Warren	3.50	
	<hr/>	23.60
Marking Acid:		
John J. Hargraves	29.60	
	<hr/>	29.60
Equipment:		
W. & L. E. Curley, Tools, etc.	39.23	
D. H. Wilson & Co., Copper Measures .	3.25	
H. H. Manning, Pad	4.00	
Fairbanks Scale Co., Scale	16.50	
Geo. E. Hutchins, Rubber Pad and		
Gloves	2.00	
Kimball, Sign .....	.50	
A. L. Kittredge, Sign .....	.50	
H. C. Kittredge, Rubber Stamp .....	.80	
H. H. Wilder & Co., Alcohol Lamp and		
Ladle	1.00	
C. B. Coburn Co., Benzine Lamp .....	.20	
Pneumatic Hand Stamp Co., Rubber		
Stamp .....	.55	
Talbot Chem. Co., Glass Graduate ....	.45	
Devine & Co., Rep. Tool Bag .....	.50	
	<hr/>	69.48
Supplies:		
Knowles Scale Works	8.55	
Thompson Hardware Co.....	11.92	
Middlesex Electro-Plating Works	32.60	
O. D. Wilder.....	1.30	
C. B. Coburn Co.....	.20	
	<hr/>	54.57
Otis Allen & Son, Cupboard for Tools and		
Appliances	4.50	
Sundries	5.15	
	<hr/>	2335.40
Balance of appropriation unexpended		102.11
	<hr/>	
Total		\$2437.51

WORK OF THE DEPARTMENT.

Number of Scales over 5000 lbs. Tested	43
Number of Platform Scales less than 5000 lbs. Tested	311
Number of Computing Scales Tested	113
Number of Spring Balances Tested	756
Number of Counter Balances Tested	561
Number of Counter Platform Scales Tested	40
Number of Weights Tested	5082
Number of Dry Measures Tested	1592
Number of Wet Measures, including Milk Bottles, Tested and Condemned	81864
Number of Baskets Tested and Condemned	493
Number of Yardsticks Tested	277
Hawkers and Pedlers and Junk Dealers stopped in Street 67, Articles Inspected	141
Total	91273
Number of Scales Found Correct	1573
Number of Scales Adjusted	97
Number of Scales Condemned	154
Number of Weights found Correct	4174
Number of Weights Adjusted	862
Number of Weights Condemned	46
Number of Dry Measures found Correct	1476
Number of Dry Measures Condemned	116
Number of Wet Measures, including Milk Jars, found Correct	80713
Number of Wet Measures, including Milk Jars, Condemned	1151
Number of Coal Baskets found Correct	462
Number of Coal Baskets Condemned	31
Number of Junk Dealers and Hawkerc and Pedlers Measures and Balances, stopped in Street, found Correct	129
Number of Junk Dealers and Hawkerc and Pedlers Appliances Condemned in Street	12
Number of Yardsticks found Correct	277
Total Number of Tests	91273
Total Number of Tests in 1907	1143
Fees Collected and Paid Over to City Treasurer...	\$404.74
Fees Due the Department	8.49

EQUIPMENT.

Office Standards.

- 1 Cabinet
- 1 Large Office Balance, 5 Grs. to 100 lbs.
- 1 Set Avoirdupois Weights, $\frac{1}{16}$ oz. to 50 lbs.
- 1 Kilogram in Case
- 1 Steel Meter in Case
- 1 Brass Yardstick
- 1 Set Iron Dry Measures, 1 Qt. to $\frac{1}{2}$ Bu.
- 1 Set Iron Liquid Measures, 1 Gill to 1 Gal.
- 1 Large Fairbanks Balance
- 1 Fairbanks Platform Scale
- 1 Tromners Portable Balance
- 1 Set Troy Weights, 4 oz. down
- 1 Prescription Balance

Sealers Working Equipment.

- 49 Iron Weights, 50 lbs.
- 1 Iron Bar and Chain
- 1 Set Copper Liquid Measures, 1 Gill to 1 Gal.
- 2 Copper (minimum) Liquid Measures, 1 Pt., 1 Qt.
- 1 Set Wooden Dry Measures, 1 Qt. to $\frac{1}{2}$ Bu.
- 1 Set Iron Figures
- 1 Iron Anvil
- 1 Set Nickel Weights, $\frac{1}{2}$ oz. to 4 lbs.
- 1 Set Nickel Grip Weights, 5 lbs. to 50 lbs.
- 1 Nickel Hanging Weight, 1 lb.
- 1 Inspection Lamp
- 1 Sealers Kit Box
- 1 Brass Gauge for Dry Measures
- 1 Steel Tape
- 1 (Gurley) Sealers Portable Balance
- 3 Glass Graduates, 1 oz.—8 oz.—32 oz.
- 1 Set Brass Testing Weights in Plush Box, $\frac{1}{16}$ oz. to 4 lbs.
- 4 Steel Dies
- 1 Hand Seal Press
- 1 Portable Drill
- 1 Alcohol Lamp
- 1 Benzine Lamp
- 1 Gasoline Fire Pot
- 2 Burning Irons
- 1 Cleaning Blade
- 1 Sealing Block
- 1 Horse, Wagon, Harness, etc.

1 Ladle for Melting Lead
1 Hollow Punch
1 Card Index and Box
1 Doz. Marking Acid
1 Rubber Pad and 3 Rubber Stamps
1 Pair Rubber Gloves
1000 Lead Seals
Working Tools, Vise, Truck, Wrenches, etc.
1 Cupboard for Tools and Appliances
Stationery, etc.

Respectfully submitted,

JOHN W. STOTT,

Sealer of Weights and Measures.

REPORT
OF
CITY PHYSICIAN

*To His Honor the Mayor and Members of the City
Council*

GENTLEMEN:

I have the honor to present the report of the City Physician for the year ending December 31, 1907:

One hundred and eighteen more patients have received treatment this year than last, making the total treated during the year seven hundred and fifty-six. There were one hundred and twenty-six deaths: sixty males and sixty-six females. Fourteen children were born in the maternity ward: nine males and five females.

I must again call your attention to two matters which I spoke of in my last report:

We treated forty cases of consumption during the year. I would recommend that some provision be made for isolating these cases from the other patients.

I recommend also increasing the number of nurses, that the Male Hospital may have a nurse to attend the patients in that department during the night.

Following is a list of cases treated during the year:

GENERAL DISEASES

DISEASES	Male	Female	Recov'd	Improv'd	Unimp'd	Died	Total
Alcoholism	48	27	73	1	1		75
Arthritis	1		1				1
Cirrhosis of Liver	1	2				3	3
Cocaine Poisoning	1					1	1
Debility	25	13	7	17	12	2	38
Deformed	2				2		2
Erysipelas	5	2	7				7
Furunculosis	4		4				4
General Peritonitis	1	1				2	2
General Tuberculosis	1	1				2	2
Gonorrhoea	3		3				3
Gonorrhoeal Rheumatism	5		3	2			5
Infantile Atrophy	2					2	2
Infantile Debility	2	2	2			2	4
Influenza	2	2	4				4
La Grippe	6	4	10				10
Lumbago	2	2	4				4
Measles	1		1				1
Morphine Poisoning		1				1	1
Old Age	14	10		11	4	9	24
Paralysis	4	6		1	6	3	10
Pyemia	1	1				2	2
Rhachitis		1	1				1
Rheumatism	13	9	15	3	4		22
Syphilis	11	5	13	2		1	16
Typhoid Fever	1	2	2			1	3

DISEASES OF THE CIRCULATORY SYSTEM

DISEASES	Male	Female	Recov'd	Improv'd	Unimp'd	Died	Total
Anæmia	2	5	5	2			7
Angina Pectoris	2		2				2
Apoplexy	7	6	4	3		6	13
Arterio Sclerosis	5	3		4		4	8
Cerebral Hemorrhage	2	1	1	2			3
Endocarditis	5	2		2		5	7
Gangrene of Hip	1					1	1
Heart Disease	15	8	4	6	3	10	23
Varicose Ulcer, Leg		4	3	1			4

RESPIRATORY SYSTEM

Asthma	9	2	6	3		2	11
Bronchitis, Acute	6	4	3	7			10
Bronchitis, Chronic	5	8	4	5	1	3	13
Broncho-Pneumonia	1	1	2				2
Capillary Bronchitis	2		2				2
Gangrene of Lungs	1					1	1
Pleurisy	1	3	4				4
Pleurisy with Effusion	3	1	3		1		4
Pneumonia	9	2	4			7	11
Tuberculosis	22	18		14	8	18	40

NERVOUS SYSTEM

DISEASES	Male	Female	Recov'd	Improv'd	Unimp'd	Died	Total
Acute Delirium.....	1		1				1
Concussion of Brain	2	1	3				3
Delirium Tremens.....	27	3	30				30
Dementia	28	23	3	13	33	2	51
Epilepsy	8	6	1	5	6	2	14
Locomotor Ataxia	1				1		1
Macrocephalgia	1	1			2		2
Melancholia	2	2			3	1	4
Migraine	2		2				2
Neurasthenia....	3	3	5	1			6
Neuritis.....	2	3	4	1			5
Paraplegia	5	1		6			6
Peripheral Neuritis.....	1	2	3				3
Spastic Paraplegia.....	2				2		2
Spinal Sclerosis	1	1				2	2
Tumor of Brain		1				1	1

URINARY SYSTEM

Chancroid	3		3				3
Cystitis	1	3	3			1	4
Diabetes.....	1	2				2	3
Hydrocele	1					1	1
Nephritis, Acute	2	1	2			1	3
Nephritis, Chronic.....	3	1		1		3	4
Stricture of Urethra.....	1			1			1

DIGESTIVE SYSTEM

DISEASES	Male	Female	Recov'd	Improv'd	Unimp'd	Died	Total
Alcoholic Gastritis.	3	1	3	1			4
Cholera Infantum	1	1				2	2
Constipation	3		3				3
Enteritis		2				2	2
Gastritis	6	1	4	2		1	7
Impacted Rectum		1	1				1
Indigestion	5	2	7				7
Infected Gall Bladder	1		1				1
Intestinal Obstruction	4	2	5			1	6
Stomatitis	1		1				1

EYE

Blind	1	1			2		2
Conjunctivitis	3	3	6				6
Cornal Ulcer	2		2				2
Gonorrhoeal Ophthalmia	1			1			1
Iritis		1	1				1
Leucoma		1			1		1
Ophthalmia	1	1	2				2
Ulcer of Eye, Prolapse of Iris.		1	1				1

EAR

DISEASES	Male	Female	Recov'd	Improv'd	Unimp'd	Died	Total
Deaf	1				1		1
Otitis Media Purulentia.....	1	3	4				4

SKIN

Dermatitis.....		1	1				1
Dermatitis Venenata		1	1				1
Eczema	1	2	2	1			3
Pediculi Corporis.....	4	2	6				6
Pustular Eczema	1			1			1
Scabies	4	2	6				6

THROAT

DISEASES	Male	Female	Recov'd	Improv'd	Unimp'd	Died	Total
Laryngitis		1	1				1
Tonsilitis	1		1				1

DISEASES OF WOMEN

Abortion Curettage		1	1				1
Cancer of Breast		5				5	5
Cancer of Uterus		3				3	3
Eclampsia		3	1			2	3
Parturition		11	11				11
Phlebitis		1	1				1
Pregnancy		8	8				8
Premature Birth		1	1				1
Procidencia		1			1		1
Stillborn		1				1	1

SURGICAL

DISEASES	Male	Female	Recov'd	Improv'd	Unimp'd	Died	Total
Abscess of Arm.....	1		1				1
Abscess of Axilla.....		1	1				1
Abscess of Groin ..	1	1	2				2
Abscess of Hip.....	2		2				2
Abscess of Leg.....	1		1				1
Bruise of Hip.....	1		1				1
Bruise of Knee.....	1	1	2				2
Bruise of Nose.....		1	1				1
Cancer of Intestines.....		2				2	2
Cancer of Lip.....		1			1		1
Cancer of Penis ..	1					1	1
Cancer of Stomach ..	2					2	2
Carbuncle of Neck ..	1		1				1
Carbuncle of Shoulder ..	1		1				1
Compound Fracture of Arm ..	1		1				1
Compound Fracture of Ankle ..		1	1				1
Compound Fracture of Finger.	1		1				1
Compound Fracture of Thumb	1		1				1
Contusion of Left Knee ..	1		1				1
Dislocation of Shoulder ..	1		1				1
Enlarged Glands of Neck. ...		1		1			1
Fracture, Colles.....		1	1				1
Fracture of Hip.....	1	2	3				3
Fracture of Humerus.....	2		2				2
Fracture of Ilium ..	1		1				1

SURGICAL—Continued

DISEASES	Male	Female	Recov'd	Improv'd	Unimp'd	Died	Total
Fracture of Thigh		2	1	1			2
Frozen Toes	1		1				1
Incised Wound of Forehead . . .	1		1				1
Injuries Unclassified		2	2				2
Ischio Rectal Abscess	1		1				1
Laceration of Eyebrow	1		1				1
Laceration of Face	1		1				1
Laceration of Forehead		1	1				1
Laceration of Perineum		1		1			1
Laceration of Scalp	1	1	2				2
Old Amputation of Toes	1			1			1
Old Burn of Arm	1		1				1
Old Fracture of Tibia	2			2			2
Rectal Abscess	1	1					1
Septic Foot		1	1				1
Septic Leg		1	1				1
Septic Toe		1	1				1
Sinus of Abdominal Wall	1			1			1
Sprain of Ankle	4		4				4
Sprain of Knee	1		1				1
Sprain of Wrist		2	2				2
Synovitis of Knee		1	1				1
Ulcer of Heel	1		1				1
Ulcer of Leg	11	1	12				12
Ulcers Unclassified		1					1
Umbilical Hernia		2			2		2
						126	756

The following table gives the ages of the different patients treated during the year 1907 :

Under 20 years of age.....	55
Between 20 and 40 years.....	198
Between 40 and 60 years.....	285
Between 60 and 80 years.....	192
Over 80 years of age	26
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Total	756

The following table gives the ages of those who died :

	Males	Females
Under 1 year of age.....	4	3
Between 1 year and 10 years.....	1	0
Between 10 years and 20 years	0	1
Between 20 years and 30 years	1	6
Between 30 years and 40 years.....	10	10
Between 40 years and 50 years	14	12
Between 50 years and 60 years	11	8
Between 60 years and 70 years	8	11
Between 70 years and 80 years	9	9
Between 80 years and 90 years	2	5
Over 90 years of age	—	1
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Totals	60	66

Respectfully,

FORSTER H. SMITH,

City Physician.

Lowell, Mass.

